Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

14

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: ML-42147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

2. NAME OF OPERATOR: Lone Mountain Production Company

9. WELL NO.: Coyote State No. 1

3. ADDRESS OF OPERATOR: 408 Petroleum Building, P. O. Box 3394, Billings, Montana 59103

10. FIELD AND POOL, OR WILDCAT: ~~Coyote Basin~~

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 520' FSL, 2432' FWL - Section 32
At proposed prod. zone: SE/SW

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SE¼SW¼ Section 32-T7S-R25E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approximately 25 miles southeast of Vernal, Utah

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 208' - drilling unit; 520' - lease

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: None

19. PROPOSED DEPTH: 4800' (Wasatch)

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5649' GL; 5661' KB

22. APPROX. DATE WORK WILL START*: May 10, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" new	24# H-40STC	200'	150 sacks Class G to surface
7 7/8"	5 1/2" new	15.50# J-55	4800'	175 sacks 10-0 RFC

1. Surface formation is the Uinta.
2. Anticipated geologic markers are: Green River 2007'; Green River "L" Marker 4465'; Wasatch 4772'.
3. Oil is anticipated in the Lower Green River formation. No gas or other minerals are anticipated. Minor water sands are expected throughout the hole.
4. Proposed casing program: See Item No. 23 above.
5. Pressure control equipment: See attached Well Control Plan and Schematic of Drilling Contractor's BOP stack. BOPs will be tested before drilling out from under surface and checked daily.
6. The well will be drilled with a fresh water based chem-gel mud.

(cont. on attached Page 2)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED James D. Routson TITLE Petroleum Engineer DATE April 15, 1987

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5-19-87
BY: John R. Baza
WELL SPACING: _____

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

LONE MOUNTAIN PRODUCTION COMPANY
P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077

April 15, 1987

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ron Firth, Associate Director
Division of Oil, Gas & Mining

Dear Ron:

Enclosed for your approval is an APD for our Coyote State No. 1 well (in triplicate). We are hereby requesting a geologic exception location. The location was moved as far east as possible on the 40-acre drilling unit to encounter a more favorable structural position and to remain in our geologist's interpretation of where the channel sand pay is located. We hope to drill the well in early May, so your expedient approval is appreciated.

If you have any questions or comments, please feel free to give me a call.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY

Jim Routson

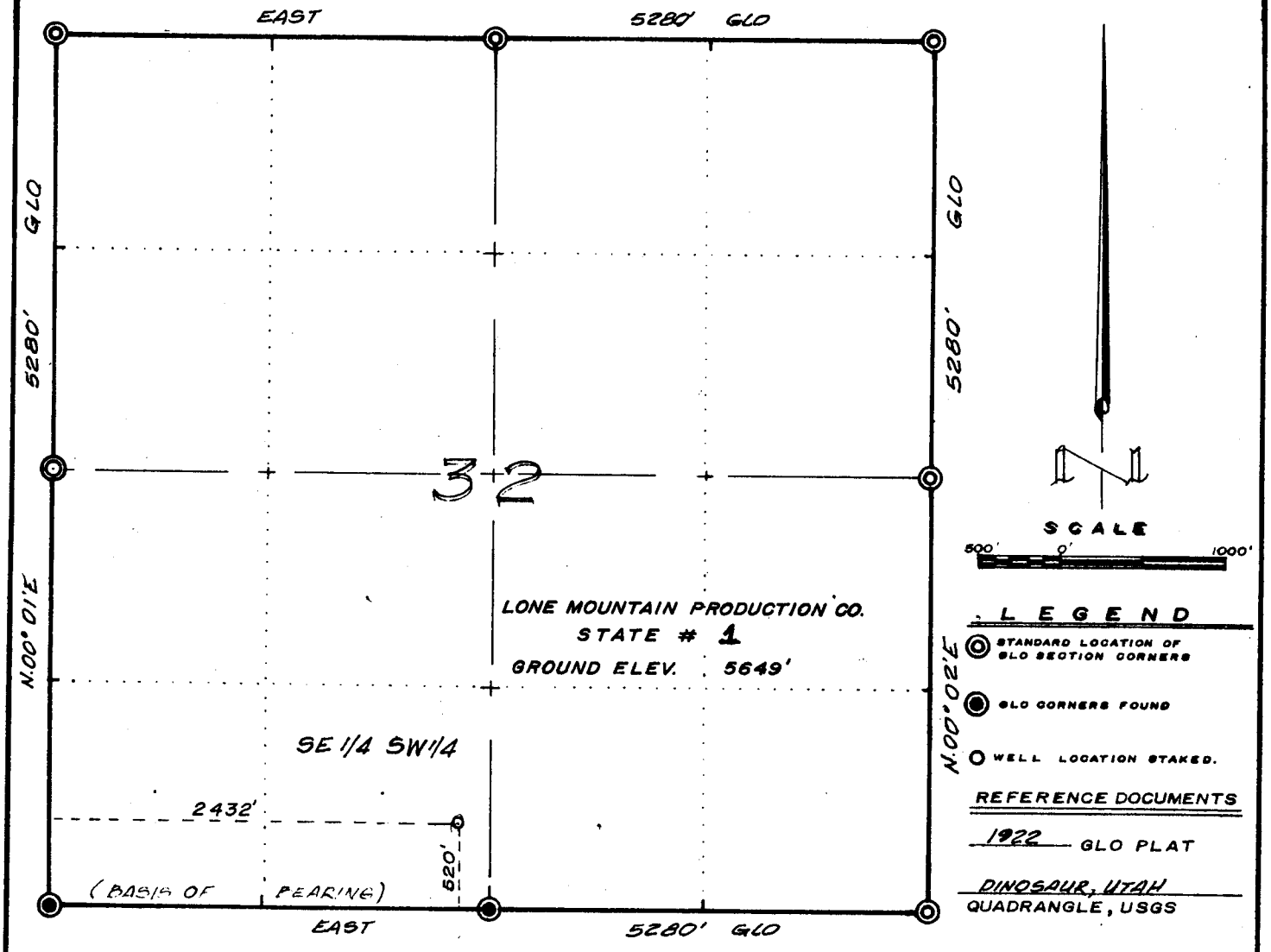
James G. Routson

JGR:hg
Enclosures

cc: Larry Becker

SEC. 32, T. 7 S., R. 25 E OF THE S.L.B&M

LOCATION PLAT



THIS WELL LOCATION PLAT WAS PREPARED FOR LONE MTN. PRODUCTION CO. TO LOCATE THE STATE # 1, 520' F.S. L.& 2432' F.W. L. IN THE SE 1/4 SW 1/4, OF SECTION 32, T. 7S., R. 25E. OF THE S.L.B.&M. UINTAH COUNTY, UTAH

REGISTERED LAND SURVEYOR
No. 4189
LARRY D. BECKER
STATE OF UTAH

SURVEYOR'S CERTIFICATE

I, LARRY D. BECKER A REGISTERED LAND SURVEYOR IN THE STATE OF UTAH DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY DIRECT SUPERVISION AND THAT THIS PLAT REPRESENTS SAID SURVEY.

Larry D Becker

SURVEYED	4/3/87	
DRAWN	4/4/87	
CHECKED	4/4/87	

ENERGY SURVEYS & ENGINEERING CORP.

715 HORIZON DRIVE, SUITE 330
GRAND JUNCTION, CO 81501
(303) 245 — 7221

SCALE 1" = 1000'
JOB NO.
SHEET OF

WELL CONTROL PLAN

1. Surface Casing: 8 5/8" O.D., 32.3#/ft. L.S., Short T&C, set at 200' or deeper, cemented with pump and plug method back to the surface or bottom of cellar.

2. Casinghead Flange: 8 5/8" x 10" - 900 series casinghead with two 2"-2000 psi L.P. outlets.

3. Intermediate Casing: None.

4. Blowout Preventor: An 8" 3000 psig W.P. double gate hydraulic shaffer BOP (or equivalent) with drillpipe rams and blind rams, and an 8" 3000 psig W.P. GK Hydrill. All fill, kill, and choke lines will be minimum of 2" 2000 psi W.P. BOPs will be worked daily. Blind rams will be checked during trips. BOPs will be tested to 1000 psi prior to drilling shoe joint on surface casing and intermediate casing.

5. Auxiliary Equipment: (a) Drill pipe floats will be allowed at contractor's discretion. (b) A mud logger will be in use. (c) Upper kelly cock will be used. (d) Stabbing valve will be kept on floor.

6. Anticipated bottom hole pressure is less than 1500 psi at 4800' or a gradient of .3125 psi/ft or less. No abnormal temperatures or hydrogen sulfide gas are anticipated.

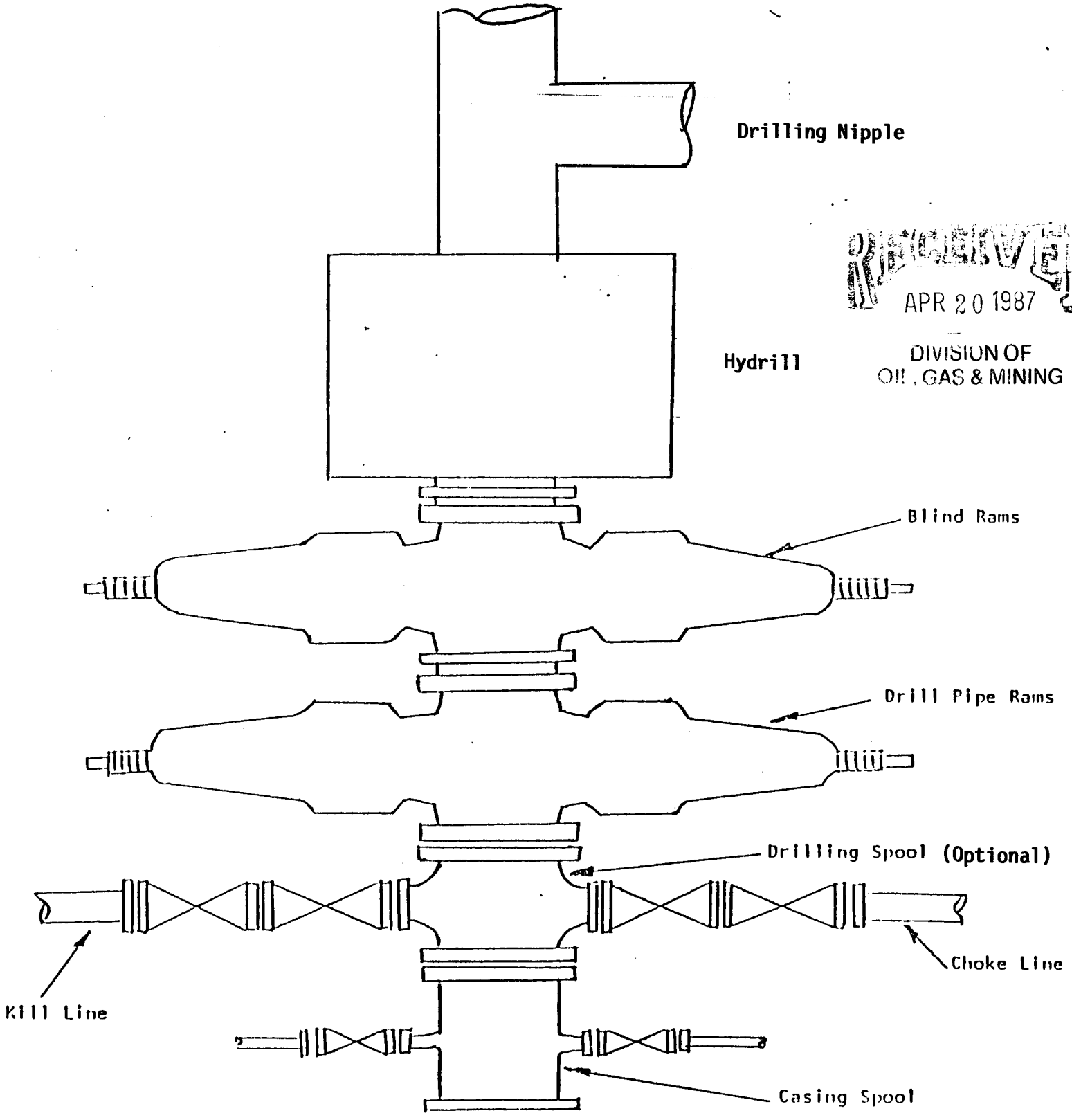
LONE MOUNTAIN PRODUCTION COMPANY

By James G. Routson

James G. Routson
Petroleum Engineer

7. Auxiliary equipment: See Well Control Plan.
8. The logging program will consist of a DIL log from total depth to base of surface casing, and GR-FDC-CNL logs from total depth to above the Green River "L" marker.
9. No abnormal pressures or temperatures are anticipated. No poisonous gas is anticipated.
10. Anticipated spud date is May 10, 1987. Completion operations should commence within 30 days of rig release.
11. Survey plats are attached.
12. Lone Mountain has an $80,000 statewide bond in the form of a Letter of Credit filed with the Division of State Lands and Forestry.

SCHEMATIC OF BOP STACK



SURFACE USE PLAN

Lone Mountain Production Company
Coyote State No. 1
SE¼SW¼ Section 32-T7S-R25E
Uintah County, Utah

1. EXISTING ROADS

See TOPO and access map. This proposed well is about 22 miles southeast of Jensen, Utah. It is reached by going east of Jensen, Utah, about 12 miles on Highway 40, then south on Highway 45 9.7 miles to the beginning of the access road. Turn left on an existing dirt road for .3 miles, then turn right on an existing dirt road for .1 miles. These existing dirt roads will be upgraded by blading.

2. ACCESS ROADS TO BE CONSTRUCTED

See TOPO and access map. The 200' of new road will be constructed so that it has an 18-foot wide running surface. It will be constructed by blading.

3. LOCATION OF EXISTING WELLS

See well map. There are four producing oil wells, one shut-in oil well, three dry holes, and two abandoned wells within one mile of the proposed location.

4. LOCATION OF PRODUCTION FACILITIES

A) On Well Pad. See Facilities Plat. (Paint everything desert tan.)

B) Off Well Pad. None.

5. LOCATION AND TYPE OF WATER SUPPLY

The water supply for this well will probably be the White River. Water will be hauled by truck over the access roads. The necessary state permits will be obtained.

6. SOURCE OF CONSTRUCTION MATERIALS

No construction materials will be used other than native materials. Soil from cuts will be used in fills. No outside material will be brought in.

7. METHODS FOR HANDLING WASTE DISPOSAL

Cuttings will be buried in the reserve pit at cleanup. Garbage and other waste material will be contained in a trash cage. This cage will be dumped at an approved sanitary land fill. Human waste will be disposed of in chemically treated sanitary pits or chemical toilets.

Drilling fluids will be contained in the reserve pit and left to evaporate. Any fluids produced during testing operations will be collected in a test tank. If a test tank is not available, the fluids will be contained in the reserve pit. Any spills of oil, gas, salt water, or noxious fluid will be cleaned up and removed.

If the well is productive, produced water will be disposed of on site for 30 days only or 90 days with the permission of the State Petroleum Engineer. After that time application will be made for approval of permanent disposal method in compliance with the rules and regulations of the State of Utah.

8. ANCILLARY FACILITIES

No ancillary facilities are planned.

9. WELLSITE LAYOUT

See Pit and Pad Layout. Cuts and fills are shown on the Pit and Pad Layout.

The location will be constructed large enough to accommodate the drilling rig and associated equipment, with allowance made for future completion and fracturing equipment.

The location construction will begin by stripping and stockpiling all available (4"-6") topsoil. The stockpile will be along the north side of the location.

The reserve pit will be constructed along the west side of the well pad. The pit will be fenced on three sides during drilling and closed on the fourth side at rig release. The fence will be maintained through completion and while the pit area is drying.

10. PLANS FOR RECLAMATION OF THE SURFACE

If the well is productive, the reserve pit will be allowed to dry and then backfilled. All of the area not necessary for production will be resloped, covered with available topsoil, and revegetated using a seed formula supplied by the State of Utah.

If the well is abandoned, the entire area of disturbance will be returned to a reasonable contour approximating the topography of the surrounding area. The topsoil will be distributed over the re-contoured area and revegetated using the appropriate seed formula.

Cleanup will begin after completion rig release; and resloping should begin by the Fall of 1987.

11. SURFACE OWNERSHIP

Lands involving new construction are entirely State owned.

12. OTHER INFORMATION

The vegetation is sparse and includes sagebrush, western wheatgrass, Indian rice grass, cactus, and a few annual plants.

A cultural resource survey of the area has been done. The report will be filed with the State of Utah.

13. LESSEE'S OR OPERATOR'S REPRESENTATIVES AND CERTIFICATION

James G. Routson
Lone Mountain Production Company
P. O. Box 3394
Billings, Montana 59103

Office Phone: (406) 245-5077
Home Phone: (406) 245-8797

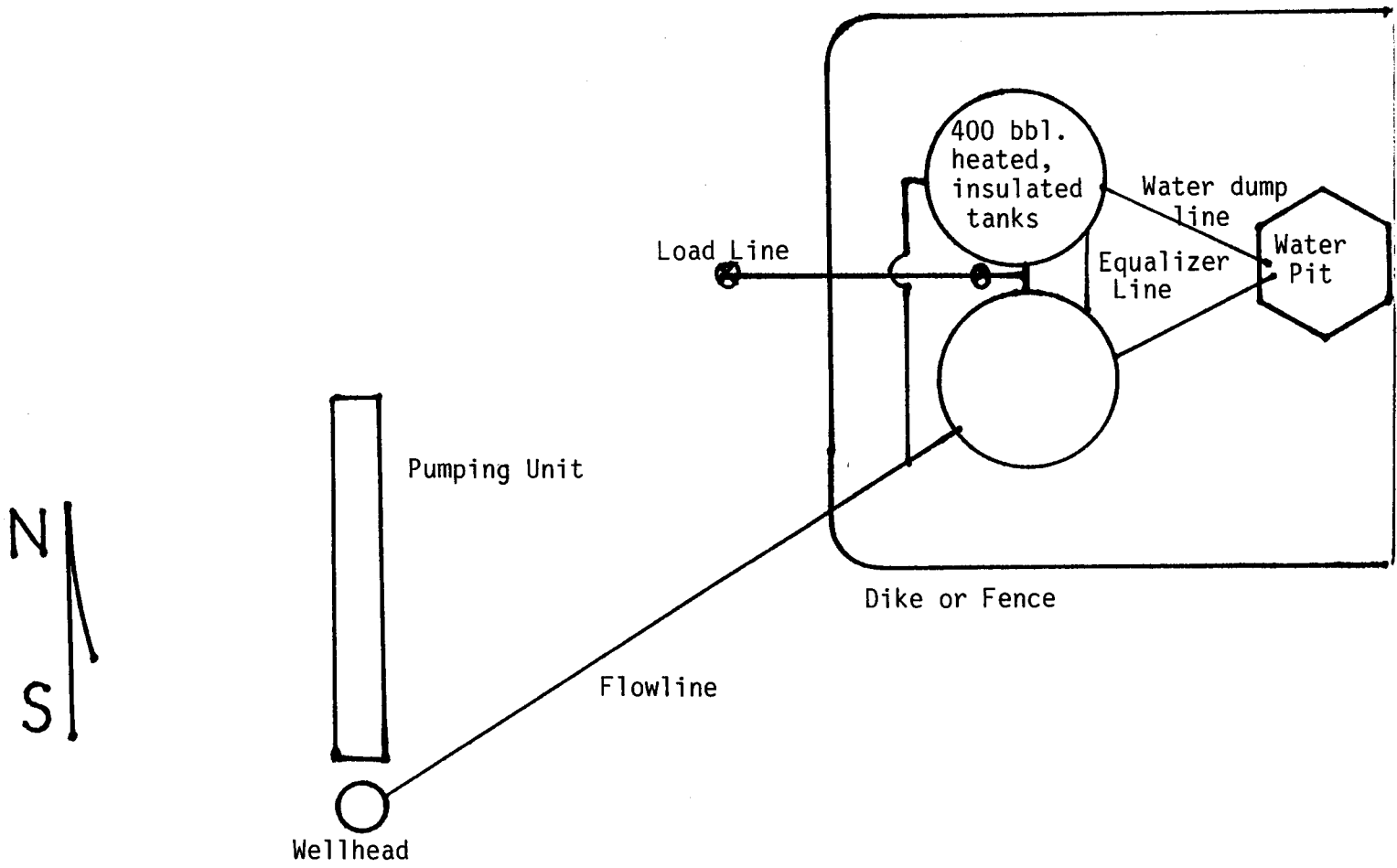
Larry D. Becker
Field Consultant
715 Horizon Drive, Suite 330
Grand Junction, Colorado 81501

Office Phone: (303) 245-7221
Home Phone: (303) 241-6776

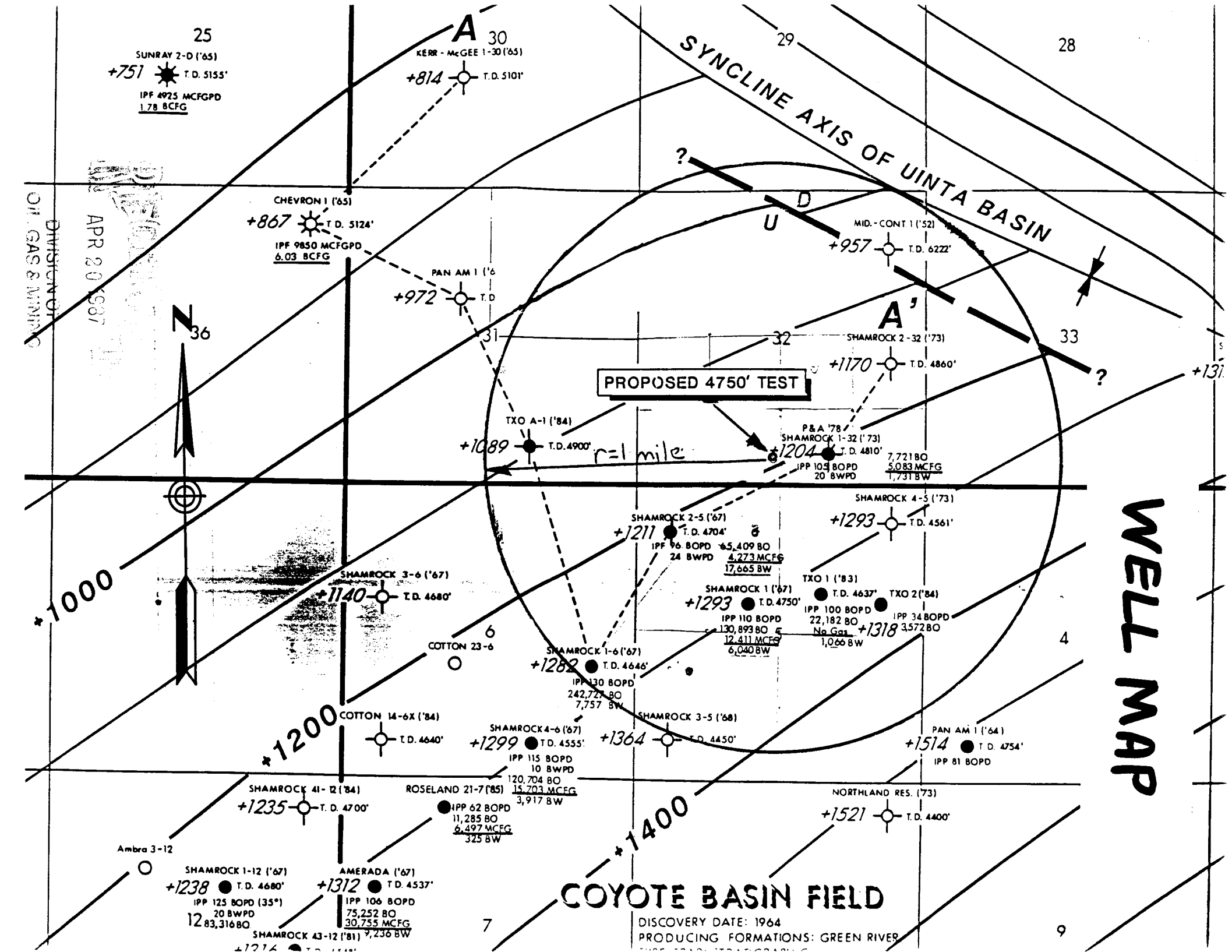
I hereby certify that I, or persons under my supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with operations proposed herein will be performed by Lone Mountain Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

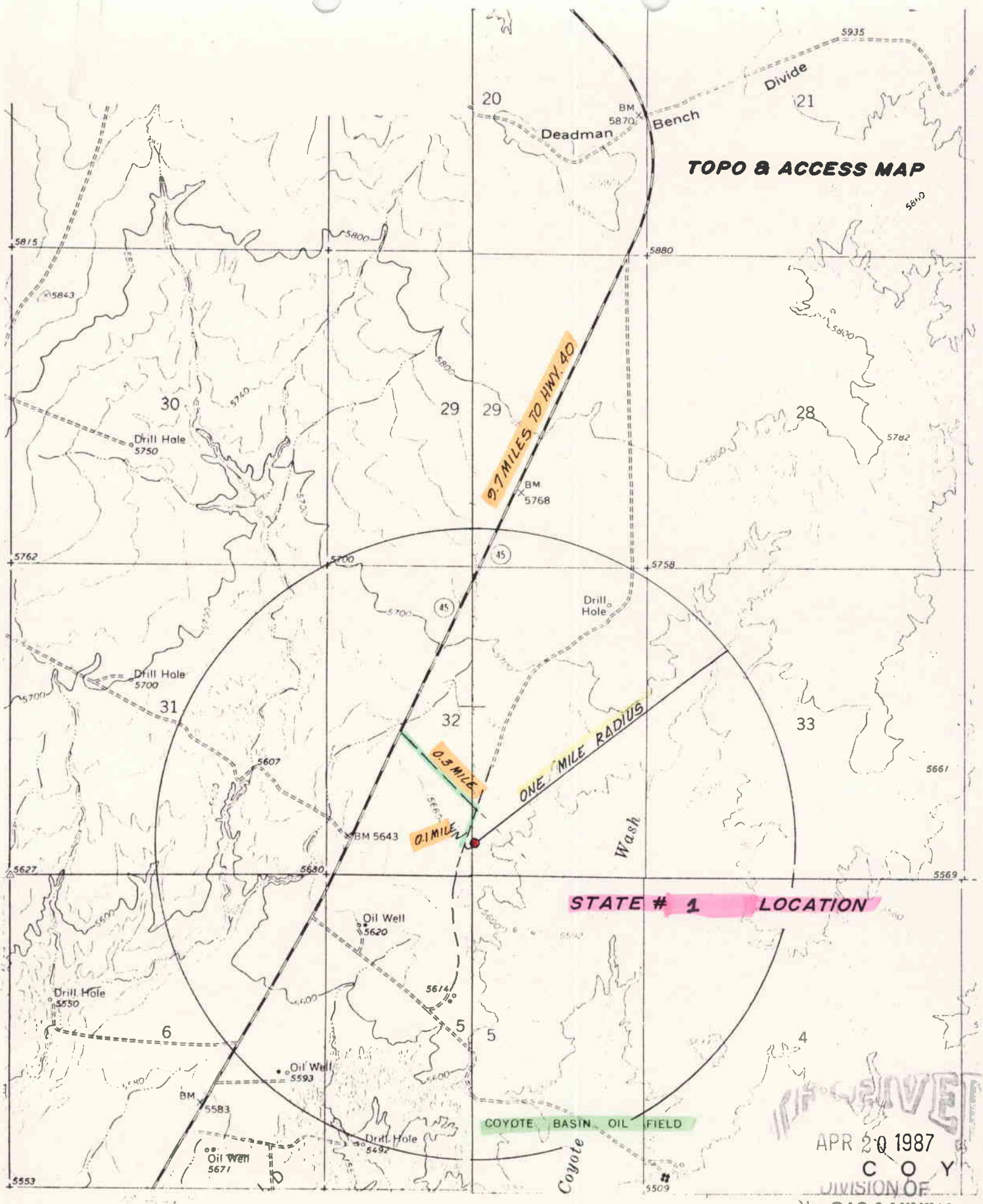
Date April 15, 1987

James G. Routson



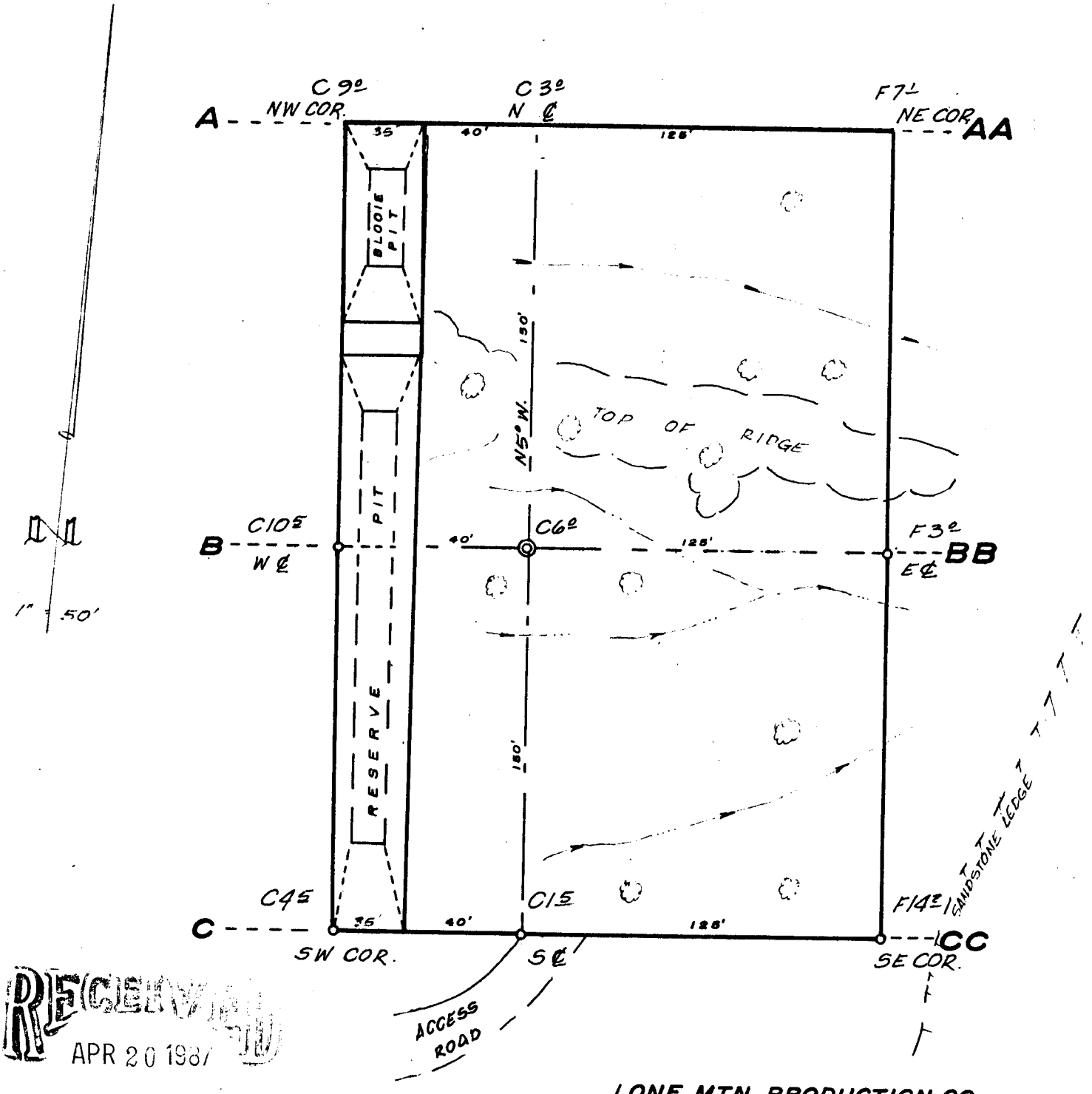
PRODUCTION FACILITIES PLAT
Lone Mountain Production Company
Coyote State No. 1


WELL MAP
COYOTE BASIN FIELD
DISCOVERY DATE: 1964
PRODUCING FORMATIONS: GREEN RIVER
SYNCLINE AXIS OF UINTA BASIN
PROPOSED 4750' TEST
r=1 mile
A
A'
U
D
N
25
30
29
28
31
32
33
36
6
4
7
9
SUNRAY 2-D ('65)
+751
T.D. 5155'
IPF 4925 MCFGPD
1.78 BCFG
KERR - McGEE 1-30 ('65)
+814
T.D. 5101'
CHEVRON 1 ('65)
+867
T.D. 5124'
IPF 9850 MCFGPD
6.03 BCFG
PAN AM 1 ('6
+972
T.D
MID.-CONT 1 ('52)
+957
T.D. 6222'
SHAMROCK 2-32 ('73)
+1170
T.D. 4860'
+131
TXO A-1 ('84)
+1089
T.D. 4900'
P&A '78
SHAMROCK 1-32 ('73)
+1204
T.D. 4810'
IPP 105 BOPD
20 BWPD
7,721 BO
5,083 MCFG
1,731 BW
SHAMROCK 4-5 ('73)
+1293
T.D. 4561'
SHAMROCK 2-5 ('67)
+1211
T.D. 4704'
IPF 96 BOPD
24 BWPD
65,409 BO
4,273 MCFG
17,665 BW
SHAMROCK 3-6 ('67)
+1140
T.D. 4680'
+1000
SHAMROCK 1 ('67)
+1293
T.D. 4750'
IPP 110 BOPD
130,893 BO
12,411 MCFG
6,040 BW
TXO 1 ('83)
T.D. 4637'
TXO 2 ('84)
IPP 100 BOPD
22,182 BO
No Gas
1,066 BW
IPP 34 BOPD
3,572 BO
+1318
COTTON 23-6
SHAMROCK 1-6 ('67)
+1282
T.D. 4646'
IPP 130 BOPD
242,727 BO
7,757 BW
+1200
COTTON 14-6X ('84)
T.D. 4640'
SHAMROCK 4-6 ('67)
+1299
T.D. 4555'
IPP 115 BOPD
10 BWPD
120,704 BO
15,703 MCFG
3,917 BW
SHAMROCK 3-5 ('68)
+1364
T.D. 4450'
PAN AM 1 ('64)
+1514
T.D. 4754'
IPP 81 BOPD
SHAMROCK 41-12 ('84)
+1235
T.D. 4700'
ROSELAND 21-7 ('85)
IPP 62 BOPD
11,285 BO
6,497 MCFG
325 BW
NORTHLAND RES. ('73)
+1521
T.D. 4400'
+1400
Ambra 3-12
SHAMROCK 1-12 ('67)
+1238
T.D. 4680'
IPP 125 BOPD (35°)
20 BWPD
12 83,316 BO
AMERADA ('67)
+1312
T.D. 4537'
IPP 106 BOPD
75,252 BO
30,755 MCFG
9,236 BW
SHAMROCK 43-12 ('81)
+1216
APR 20 1987
DIVISION OF
OIL, GAS & MINING



RECEIVED
APR 20 1987
DIVISION OF
OIL GAS & MINING

PIT & PAD LAYOUT



RECEIVED
APR 20 1987

DIVISION OF
OIL, GAS & MINING

LONE MTN. PRODUCTION CO.
STATE # 1

PREPARED BY ENERGY SURVEYS & ENGINEERING CORP.

052101

OPERATOR Lone Mountain Prod. Co DATE 4-21-87

WELL NAME Coyote State No. 1

SEC SESW 32 T 7S R 25E COUNTY Uintah

43-047-31796	State
API NUMBER	TYPE OF LEASE

CHECK OFF:

✓	PLAT	✓	BOND (R. Ltr. Eff. 8-20-83)	✓	NEAREST WELL
✓	LEASE	✓	FIELD	✓	POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in Sec. 32

Need water permit

State History

APPROVAL LETTER:

SPACING: ☐ 203 _____ UNIT ☐ 302

☑ 129-4 5-18-87 ~~8-20-83~~ CAUSE NO. & DATE ☐ 302.1

STIPULATIONS:

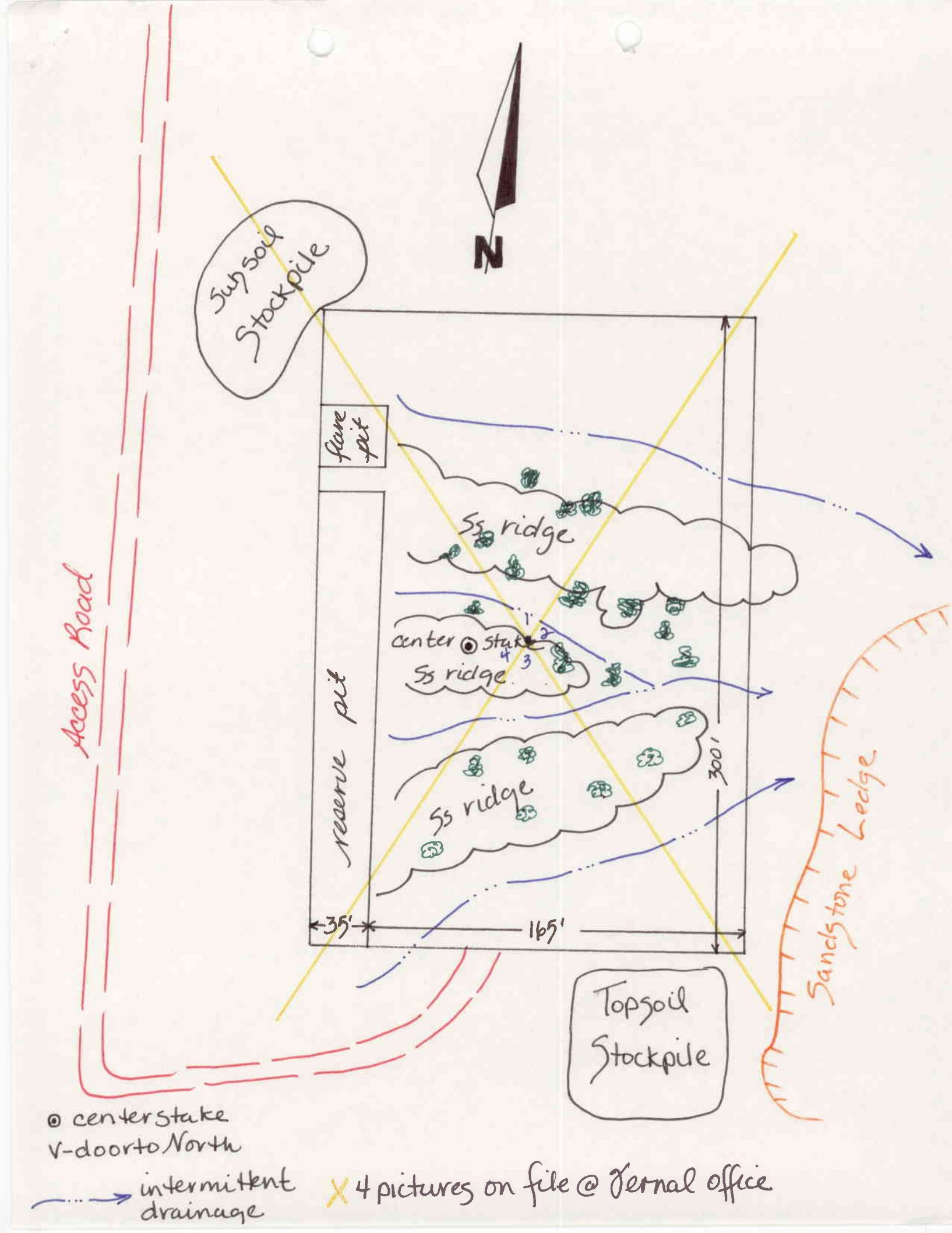
1- Water

2- State History

3- The reserve pit shall be lined with a minimum of a 6-mil ~~plastic~~ thickness ~~liner~~ tear resistant plastic liner.

4- The top soil and subsoil stock piles shall be located as shown on the attached diagram. The Division of Oil, Gas & Mining shall be notified of any changes to the indicated location layout.

0218T 5- The Division field specialist in Vernal (Carol Kubly, ph. 789-1388) shall be notified after location construction and prior to drilling to allow site inspection.


N
Subsoil Stockpile
flare pit
reserve pit
Ss ridge
center ⊙ stake
1
2
3
4
Ss ridge
Ss ridge
300'
35'
165'
Topsoil Stockpile
Access Road
Sandstone Ledge
⊙ centerstake
V-door to North
intermittent drainage
X 4 pictures on file @ Vernal office

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Re: Exception locations
Coyote Basin Field
Uintah County, Utah

Gentlemen:

We, the undersigned, as offsetting leasehold and operating rights holders, have no objection to Lone Mountain Production Company drilling the following off-pattern locations within the Coyote Basin Field:

Coyote State No. 1

Township 7 South, Range 25 East
Section 32: 520' FSL and 2432' FWL

Coyote State No. 2

Township 7 South, Range 25 East
Section 32: NW¼SE¼

We understand that these locations are off-pattern locations to the Coyote Basin Field wide spacing rules. The undersigned requests that the State of Utah approve these locations administratively.

Executed this 13th day of May, 1987.

MARATHON OIL COMPANY

By J. C. Fowler

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Re: Exception locations
Coyote Basin Field
Uintah County, Utah

Gentlemen:

We, the undersigned, as offsetting leasehold and operating rights holders, have no objection to Lone Mountain Production Company drilling the following off-pattern locations within the Coyote Basin Field:

Coyote State No. 1

Township 7 South, Range 25 East
Section 32: 520' FSL and 2432' FWL

Coyote State No. 2

Township 7 South, Range 25 East
Section 32: NW¼SE¼

We understand that these locations are off-pattern locations to the Coyote Basin Field wide spacing rules. The undersigned requests that the State of Utah approve these locations administratively.

Executed this 7 day of May, 1987.

TXO PRODUCTION CORP.

By

Raymond L. Taylor

Maxus Energy Corporation
370 17th Street
Suite 2900
Denver, Colorado 80202

cc: Board
DR Nielson
RJ Firth
JR Baza
BW Roberts
A Bachman

MAXUS

May 12, 1987

Ms. Dianne R. Nielson, Director
Division of Oil, Gas & Mining
Department of Natural Resources
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: Exception Location Request
COYOTE STATE NOS. 1 & 2
SESW and NWSE, Section 32
Township 7 South, Range 25 East
Uintah County, Utah

Dear Ms. Nielson:

Maxus Exploration Company (formerly Diamond Shamrock Exploration Company), as a lease owner within one-half mile of Lone Mountain Production Company's above-mentioned exception locations, has no objection to the drilling of these wells; nor do we object to their Motion for Expedited Hearing and Motion to Waive Time of Notice.

Sincerely,

MAXUS EXPLORATION COMPANY (Formerly
Diamond Shamrock Exploration Company)

John C. Schmid

John C. Schmid
Manager of Petroleum Engineering

JCS/kcb
cc: Lone Mountain Production Company
Hugh C. Garner/Hugh C. Garner & Associates

DRILLING LOCATION ASSESSMENT
State of Utah
Division of Oil, Gas & Mining

OPERATOR: Lone Mountain Production co. WELL NAME: Coyote state #1

QTR/QTR: SESW SECTION: 32 TWP: 7 South RANGE: 25 East

COUNTY: Uintah FIELD: Coyote Basin 520' F S L 2432' F W L

SFC OWNER: State of Utah LEASE #: ML-42147

SPACING: F SECTION LINE F QTR/QTR LINE F ANOTHER WELL

INSPECTOR: Carol Kubly DATE & TIME: 10:00 a.m., 30April 87

PARTICIPANTS: Glenn Ross w/ Lone Mountain, Richard Hogan w/ Faucett Construction, Mike Phillips and Val Labrum w/ Phillips Construction Co.

REGIONAL SETTING/TOPOGRAPHY:

Colorado Plateau, Uintah Basin, Coyote Basin, - perched on a ledge overlooking the actual Coyote Basin.

LAND USE

CURRENT SURFACE USE: Open range, sheep grazing

PROPOSED SURFACE DISTURBANCE: 200' x 300' +slope for location and .4 mile for access road which already exists for a jeep trail. No new roads.

AFFECTED FLOODPLAINS AND/OR WETLANDS: Not applicable

FLORA/FAUNA: Cedar trees, cheat grass, shadscale, 3 wing salt brush, sage brush, ants and lizards and lots of song birds.

ENVIRONMENTAL PARAMETERS

GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Light to medium brown silty sand. Appears to have fair porosity.

SURFACE FORMATION & CHARACTERISTICS: Uintah Formation, - Amynodon Sandstonemember (unofficial term) tan to light brown well sorted, subrounded arenaceous sandstone.

EROSION/SEDIMENTATION/STABILITY: Sandstone ridge couple feet to east of location which drops off 70-100' into Coyote Basin. East side of location may erode over time.

SUBSURFACE GEOLOGY

OBJECTIVE(S)/DEPTH(S): Wasatch formation at 4800'

ABNORMAL PRESSURES - HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: No information at this time.

WATER RESOURCES: No wells within 1/4 mile radius. 3 small intermittent drainages trending west to east across location and over sandstone ridge. (to be leveled)

RESERVE PIT

CHARACTERISTICS: 175' x 35' x 8' deep. Flare pit where blooie pit is indicated on layout submitted with APD. See attachment.

LINING: Must be lined with viscuene (sp?)

MUD PROGRAM: Fresh water based chem-gel mud.

DRILLING WATER SUPPLY: Permit with water hauler.

OTHER OBSERVATIONS:

Recommended that production facilities be moved away from east half of location.

STIPULATIONS FOR APD APPROVAL:

Reserve pit must be lined. Top soil stockpile to be on east half of south side. Subsoil stockpile to be on northwest corner behind flare pit.

ATTACHMENTS

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 19, 1987

Lone Mountain Production Company
408 Petroleum Building
P. O. Box 3394
Billings, Montana 59103

Gentlemen:

Re: Coyote State No. 1 - SE SW Sec. 32, T. 7S, R. 25E
520' FSL, 2432' FWL - Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 129-4 dated May 18, 1987, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

2. Prior to any ground-disturbing activity on state lands or lands owned or controlled by the state or its subdivisions, a cultural resource clearance report must be filed with and approved by the Division of State History, phone (801) 533-4563. A list of acceptable archaeological contractors is available from the Division of State History.

3. The reserve pit shall be lined with a minimum of 6 mil thickness tear resistant plastic liner.

4. The topsoil and subsoil stock piles shall be located as shown on the attached diagram. The Division shall be notified of any changes to the indicated location layout.

5. The Division field specialist in Vernal (Carol Kubly, phone 789-1388) shall be notified after location construction and prior to drilling to allow site inspection.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.

2. All well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of the time that a new well is spudded or a change in operations or interests necessitates a change in Entity status.

3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.

4. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

5. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31796.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: State Lands & Forestry
Branch of Fluid Minerals
D. R. Nielson

8159T

FILING FOR WATER IN THE STATE OF UTAH

060215

Rec. by DLT
Fee Paid $ 15.00
Platted # 22346
Microfilmed
Roll #

APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

RECEIVED
MAY 20 1987
WATER RIGHTS
SALT LAKE

43-047-31796
Delgs

TEMPORARY

WATER USER CLAIM NO. 49 - 1413 **APPLICATION NO. T62510**

1. **PRIORITY OF RIGHT:** May 15, 1987 **FILING DATE:** May 15, 1987

2. **OWNER INFORMATION**
Name: Lone Mountain Production
P.O.Box 545, Vernal Ut., 84078
Address: P.O.Box 3394, Billings, MT 59103
c/o Voyles Transportation Co., Inc.
The land is not owned by the applicant(s), see explanatory.

3. **QUANTITY OF WATER:** 20.0 acre feet (Ac. Ft.)

4. **SOURCE:** White River **DRAINAGE:** SE Unita Basin
which is tributary to Green River
which is tributary to Colorado River
POINT(S) OF DIVERSION: **COUNTY:** Uintah
(1) N. 400 feet, W. 1850 feet, from the E¼ Corner of Section 2,
Township 10 S, Range 24 E, SLB&M
Description of Diverting Works: Tanker truck and pump
COMMON DESCRIPTION: White River Bridge S. Bonanza

5. **NATURE AND PERIOD OF USE**
Oil Exploration From May 15 1987 to May 14. 1988

6. **PURPOSE AND EXTENT OF USE**
Oil Exploratio: To be used for oil well drilling and recovery of the Coyote State #1 well.

EXPLANATORY

Water to be used for oil well drilling of the Coyote State #1 well in the SE SW Sec. 32, T7S, R25E, S.L.B.&M.

[redacted] Appropriate [redacted]

****

The applicant hereby acknowledges he/they are a citizen(s) of the United States or intends to become such a citizen.

****

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

****

The undersigned hereby acknowledges that even though he/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant(s).

James McCoy

Signature of Applicant

STATE ENGINEER'S ENDORSEMENT

WATER RIGHT NUMBER: 49 - 1413 APPLICATION NO. T62510

1. May 15, 1987 Application received.

2. May 18, 1987 Application designated for APPROVAL by RWL and SG.

3. Comments:

Conditions:
This application is hereby APPROVED, dated May 29, 1987, subject to prior rights and this application will expire on May 29, 1988.

Robert L. Morgan, P.E.
State Engineer

Water Permit
49-1413
T62510

DIVISION OF OIL, GAS AND MINING

052612

SPUDDING INFORMATION

API #43-047-31796

NAME OF COMPANY: LONE MOUNTAIN PRODUCTION COMPANY

WELL NAME: COYOTE STATE #1

SECTION SE SW 32 TOWNSHIP 7S RANGE 25E COUNTY Uintah

DRILLING CONTRACTOR Leon Ross

RIG #

SPUDDED: DATE 5-21-87

TIME 4:00 PM

HOW Rathole Digger

DRILLING WILL COMMENCE 5-26-87 - Olsen - Rig #5

REPORTED BY Jim Routson

TELEPHONE # (405) 245-5077

DATE 5-22-87 SIGNED JRB

Form OGC-1b

SUBMIT TRIPLICATE (Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: ML-42147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 060214

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: State

9. WELL NO.: Coyote State No. 1

10. FIELD AND POOL, OR WILDCAT: Coyote Basin

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SE¼SW¼ Sec. 32-T7S-R25E

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Lone Mountain Production Company

3. ADDRESS OF OPERATOR: 408 Petroleum Building, P. O. Box 3394, Billings, Montana 59103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 520' FSL, 2432' FWL

14. PERMIT NO.: 43-047-31796

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5649' GL, 5661' KB

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Spud Report			[X]
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Spudded 12¼" hole at 4:00 P. M., 5-21-87, with dry hole digger. Drilled to 238'. Ran 9 5/8" 36#, J-55 casing to 219'.

Cemented with 150 sacks Class "G", 3% $CaCl_2$. 1/4# Celloflake. Good cement to surface.

Notified John Baza, Division of Oil, Gas, & Mining on 5-22-87 @ 11:00 A. M.

RECEIVED
MAY 28 1987
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED James D. Routson TITLE Petroleum Engineer DATE May 26, 1987

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

56 64 01 14

PA-

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☑ Other

b. TYPE OF COMPLETION: NEW WELL ☑ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

5. LEASE DESIGNATION AND SERIAL NO.: ML 42147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 122342

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: STATE

9. WELL NO.: COYOTE STATE #1

10. FIELD AND POOL, OR WILDCAT: COYOTE BASIN

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SESW SEC 32 T07S R25E

2. NAME OF OPERATOR: LONE MT PETROLEUM CO

3. ADDRESS OF OPERATOR: 408 PETROLEUM BLDG BILLINGS, MT

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 520 FSL 2432 FWL
At top prod. interval reported below
At total depth

14. PERMIT NO.: 43 047 31796 DATE ISSUED:

12. COUNTY OR PARISH: UINTAH

13. STATE: UTAH

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
5-21-87	6-3-87	6-6-87	5649' GL 5661' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4804'			→		

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
DRY HOLE

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
MUD LOG, FDC-CNL-GAMMA RAY, DUAL INDUCTION 6-16-87

27. WAS WELL CORED: NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
INFORMATION REC'D BY TELEPHONE FROM BONNIE PAUL. 12-28-87
UC-DOGM

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
		6-6-87 PA'D

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED _____ TITLE _____ DATE _____

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: "*Sacks Cement*": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
GRRV	1788	(+3874)
OIL SHALE	2277	(+3385)
GARDEN GULCH	3560	(+2102)
DOUGLAS CREEK	4112	(+1550)
"L"	4463	(+1199)
WSTC	4775	(+887)

FORM OGC-8-X

061106

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
3 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UT 84180-1203

REPORT OF WATER ENCOUNTERED DURING DRILLING

Drlg.

Well Name & Number Coyote State No. 1 43-047-31796

Operator Lone Mountain Production Company Address P. O. Box 3394, Billings, Montana 59103

Contractor Olsen Drilling Co. Address 999 18th Street, Suite 3300, Denver, Colorado 80202

Location SE 1/4 SW 1/4 Sec. 32 T. 7S R. 25E County Uintah

Water Sands

Depth		Volume	Quality
From	To	Flow Rate or Head	Fresh or Salty

No specific water sands were encountered; no water flows were encountered.
Well was mud drilled 238-4804.

(Continue on reverse side if necessary)

Formation Tops

Green River	1788 (+3874)	Douglas Creek Member	4112 (+1550)
Oil Shale	2277 (+3385)	"L" Marker	4463 (+1199)
Garden Gulch Member	3560 (+2102)	Wasatch	4775 (+887)

Remarks

Air drilled surface hole with dry hole digger; no water encountered.

NOTE: (a) Report on this form as provided for in Rule 806, Oil and Gas Conservation General Rules.

(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

RECEIVED
JUN 10 1987

DIVISION OF
OIL, GAS & MINING

Form OGC-1b

SUBMIT IN TRIPLICATE (Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.: ML-42147

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 061105

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: Lone Mountain Production Company

8. FARM OR LEASE NAME: State

3. ADDRESS OF OPERATOR: 408 Petroleum Building, P. O. Box 3394, Billings, Montana 59103

9. WELL NO.: Coyote State No. 1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 520' FSL, 2432' FWL

10. FIELD AND POOL, OR WILDCAT: Coyote Basin

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: SE¼SW¼ Sec. 32-T7S-R25E

14. PERMIT NO.: 43-047-31796

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5649' GL, 5661' KB

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[X]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 7 7/8" hole to TD 4804'. Ran GR-FDC-CNL and DIL Logs.

Log tops:		
	Green River	1788 (+3874)
	Oil Shale	2277 (+3385)
	Garden Gulch Member	3560 (+2102)
	Douglas Creek Member	4112 (+1550)
	"L" Marker	4463 (+1199)
	Wasatch	4775 (+887)

DST No. 1: 4620-4720: Misrun
DST No. 2: 4604-4710: Misrun

Plugged and Abandoned as follows:
Plug No. 1: 4700-4550, 45 sacks
Plug No. 2: 2400-2250, 60 sacks
Plug No. 3: 270- 170, 40 sacks
Plug No. 4: 10-sack plug at surface

Finished plugging at 3:00 A. M., 6-6-87.

Plugging orders received from Gilbert Hunt, Utah Division of Oil, Gas, & Mining, at 10:30 A. M., 6-5-87.

Dry Hole Marker will be installed when rig is moved off location. Reclamation will be done in the Fall of 1987.

RECEIVED
JUN 10 1987
DIVISION OF OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED James A. Routson TITLE Petroleum Engineer DATE June 8, 1987

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6-10-87
BY: John R. Baza

*See Instructions on Reverse Side

LONE MOUNTAIN PRODUCTION COMPANY
P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077

032934

Dlg.

June 15, 1987

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

Re: Coyote State No. 1
SE¼SW¼ Sec. 32-T7S-R25E
Uintah County, Utah

Gentlemen:

Enclosed are two copies each of the DSTs on the Coyote State No. 1 well.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY

James G. Routson

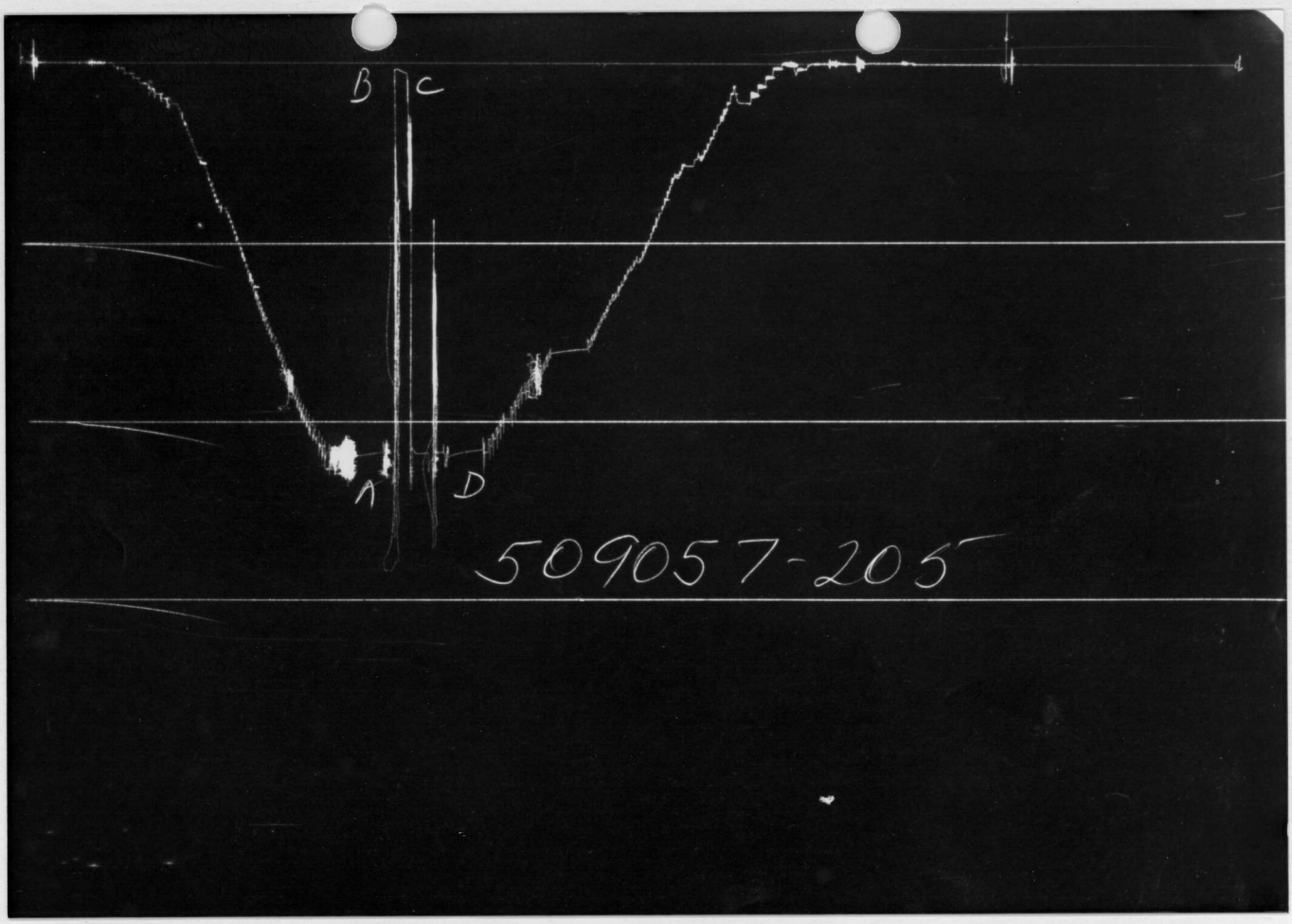
JGR:hg
Enclosures

HALLIBURTON SERVICES

TICKET NO. 50905700
10-JUN-87
VERNAL

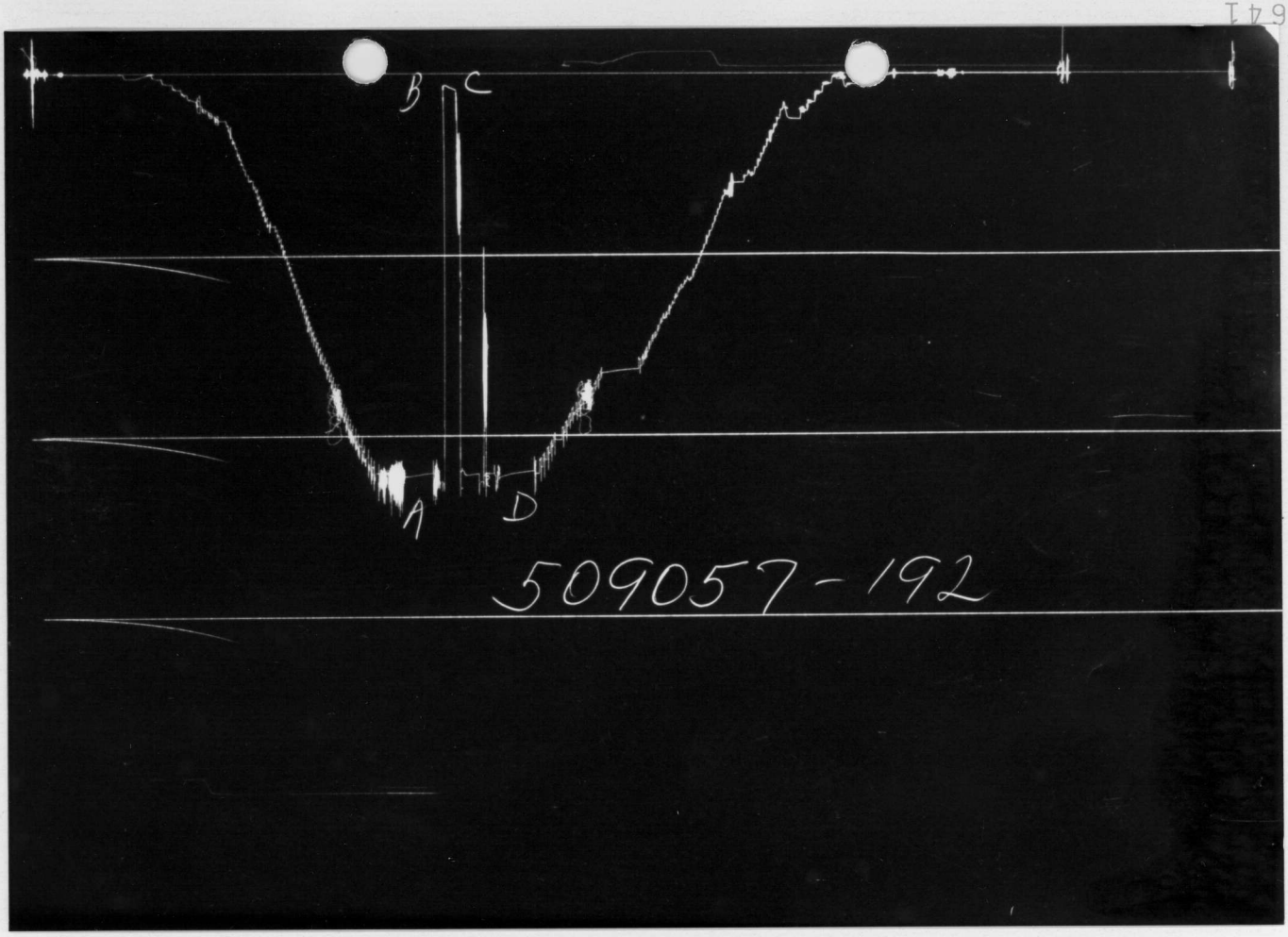
FORMATION TESTING SERVICE REPORT

COYOTE STATE	1	2	4604.0 - 4710.0		LONE MOUNTAIN PRODUCTION COMPANY
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL		LEASE OWNER/COMPANY NAME
LEGAL LOCATION SEC. - TWP. - RNG.		FIELD AREA	COUNTY	STATE	
32 7S 25E		COYOTE BASIN	UINTAH	UTAH SM	



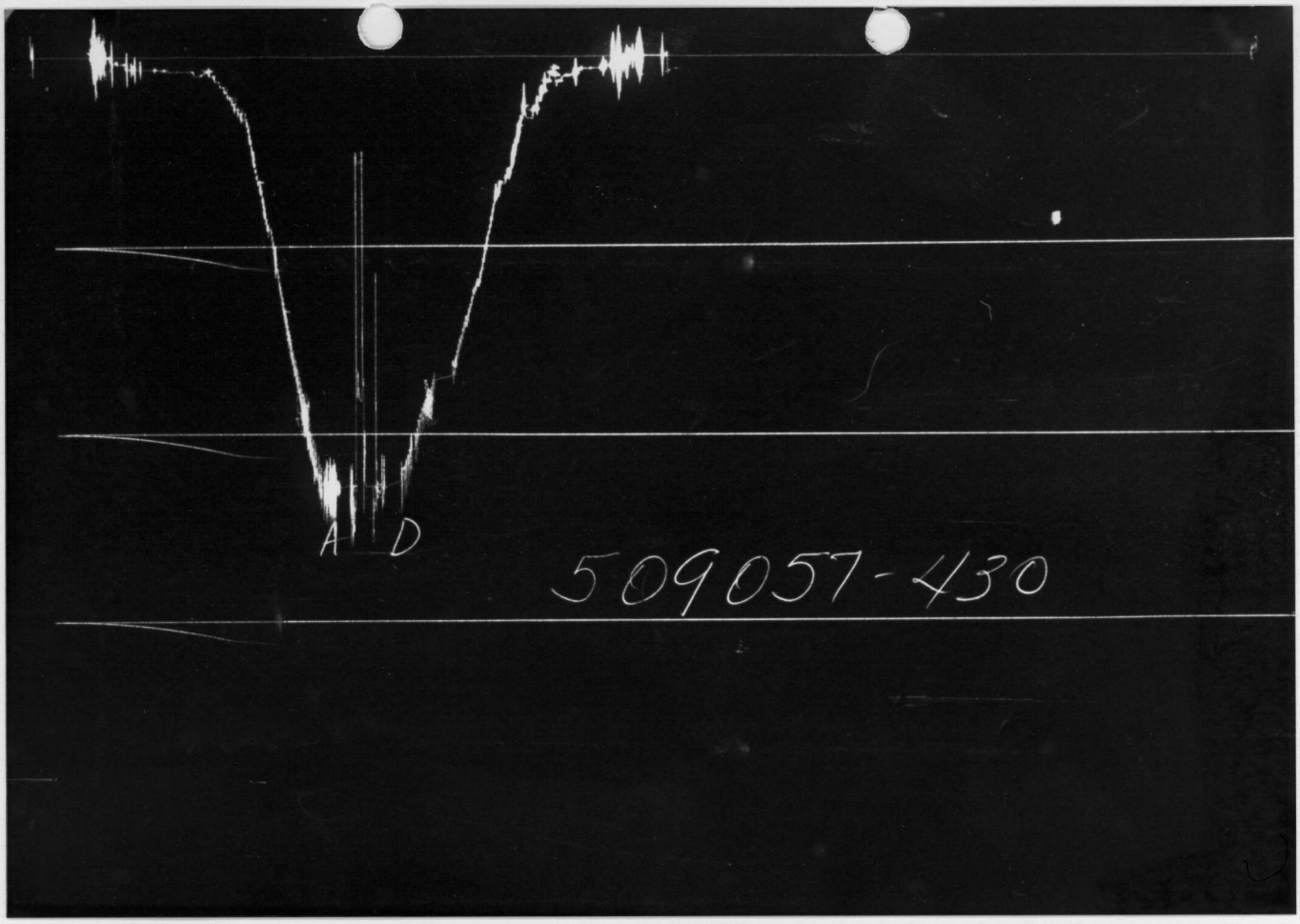
GAUGE NO: 205 DEPTH: 4580.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2182.6			
B	INITIAL FIRST FLOW		40.8	10.0	10.0	F
C	FINAL FIRST FLOW		57.4			
D	FINAL HYDROSTATIC		2180.1			



GAUGE NO: 192 DEPTH: 4639.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2214.2			
B	INITIAL FIRST FLOW		65.9	10.0	10.0	F
C	FINAL FIRST FLOW		89.1			
D	FINAL HYDROSTATIC		2212.7			



GAUGE NO: 430 DEPTH: 4801.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2300.5			
B	INITIAL FIRST FLOW			10.0		F
C	FINAL FIRST FLOW					
D	FINAL HYDROSTATIC		2290.3			

EQUIPMENT & HOLE DATA

FORMATION TESTED: GREEN RIVER
NET PAY (ft): 11.0
GROSS TESTED FOOTAGE: 106.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft): _____
HOLE OR CASING SIZE (in): 8.875
ELEVATION (ft): 5661.0 KELLY BUSHING
TOTAL DEPTH (ft): 4804.0
PACKER DEPTH(S) (ft): 4596, 4604, 4710
FINAL SURFACE CHOKE (in): _____
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.20
MUD VISCOSITY (sec): 42
ESTIMATED HOLE TEMP. (°F): _____
ACTUAL HOLE TEMP. (°F): ____ @ _____ ft

TICKET NUMBER: 50905700

DATE: 6-5-87 TEST NO: 2

TYPE DST: ON BTM STRADDLE

HALLIBURTON CAMP: VERNAL

TESTER: RANDY RIPPLE

WITNESS: GLENN ROSS

DRILLING CONTRACTOR: OLSON DRILLING RIG #5

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm
_____	____ @ ____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: _____
cu.ft. OF GAS: _____
cc OF OIL: _____
cc OF WATER: _____
cc OF MUD: _____
TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ ____ °F
GAS/OIL RATIO (cu.ft. per bbl): _____
GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED:

MEASURED FROM TESTER VALVE

REMARKS:

MISRUN....LOST ANNULUS 8 MINUTES INTO INITIAL FLOW; PACKER SEAT FAILED.

TYPE & SIZE MEASURING DEVICE: _____ TICKET NO: 50905700

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
6-5-87					
0225					ON LOCATION
0320					PICKED UP TOOLS FOR DST #2
0600					RAN IN HOLE WITH TOOLS
0854	.125				OPENED TOOL WITH 1/2" BLOW IN
					WATER
0859	.125				2 1/2" BLOW IN WATER
0904					LOST BACKSIDE, PULLED TOOLS
					LOOSE
0909					RESET PACKERS, LOST ANNULUS
0919					RIGGED DOWN SURFACE EQUIPMENT
0941					PULLED OUT OF HOLE
1320					BROKE DOWN AND LAID TOOLS DOWN
					LOADED TOOLS OUT
1503					JOB COMPLETED

TICKET NO. 50905700

		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE	4.000	3.340	4088.0	
3	DRILL COLLARS	6.000	2.250	416.9	
50	IMPACT REVERSING SUB	6.000	3.000	1.0	4506.0
3	DRILL COLLARS	6.125	2.250	59.3	
5	CROSSOVER	5.000	2.500	1.2	
13	DUAL CIP SAMPLER	5.000	0.750	7.0	
60	HYDROSPRING TESTER	5.000	0.750	5.0	4578.0
80	AP RUNNING CASE	5.000	2.250	4.1	4580.0
15	JAR	5.000	1.750	5.0	
16	VR SAFETY JOINT	5.000	1.000	2.8	
70	OPEN HOLE PACKER	7.000	1.530	7.4	4596.0
70	OPEN HOLE PACKER	7.000	1.530	7.4	4604.0
20	FLUSH JOINT ANCHOR	5.750	3.500	32.0	
5	CROSSOVER	6.000	2.750	1.0	
81	BLANKED-OFF RUNNING CASE	5.000		4.1	4639.0
5	CROSSOVER	4.813	2.250	1.0	
23	BLANK SUB	5.750	2.750	1.0	
5	CROSSOVER	5.750	2.875	1.0	
3	DRILL COLLARS	6.063	2.250	60.2	
5	CROSSOVER	6.031	2.250	1.0	
5	CROSSOVER	5.875	2.063	0.9	
5	CROSSOVER	5.000	2.688	1.0	
70	OPEN HOLE PACKER	7.000	1.530	7.4	4710.0
5	CROSSOVER	5.000	2.250	0.7	
5	CROSSOVER	5.750	2.188	0.6	
5	CROSSOVER	6.125	2.500	1.1	
3	DRILL COLLARS	6.063	2.250	60.5	
5	CROSSOVER	5.750	2.313	1.0	
20	FLUSH JOINT ANCHOR	5.750	3.500	20.0	

CONTINUED

EQUIPMENT DATA

TICKET NO. 50905700

		O.D.	I.D.	LENGTH	DEPTH
81	 BLANKED-OFF RUNNING CASE.....	5.750		4.1	4801.0
	TOTAL DEPTH				4804.0

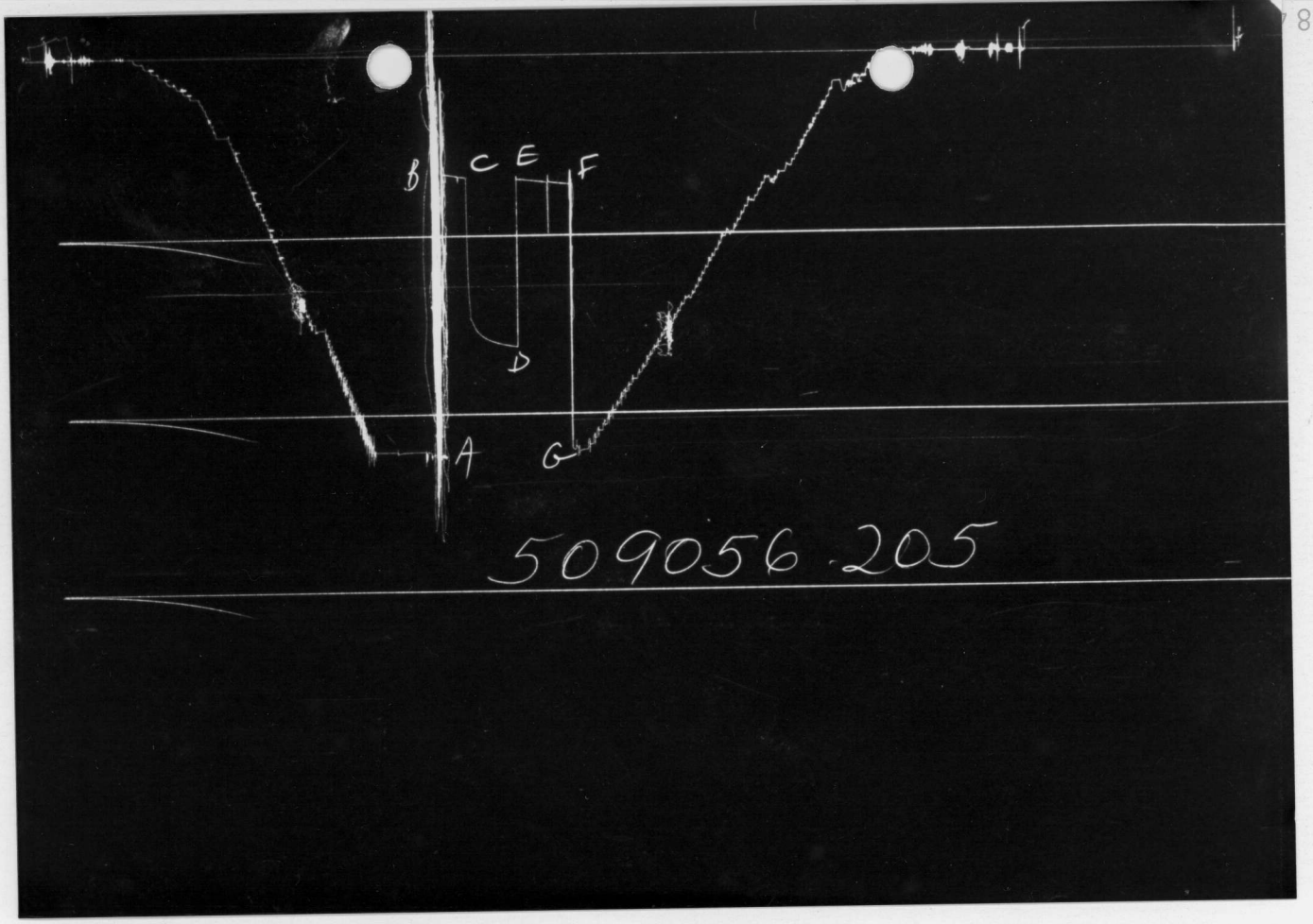
EQUIPMENT DATA

HALLIBURTON SERVICES

TICKET NO. 50905600
10-JUN-87
VERNAL

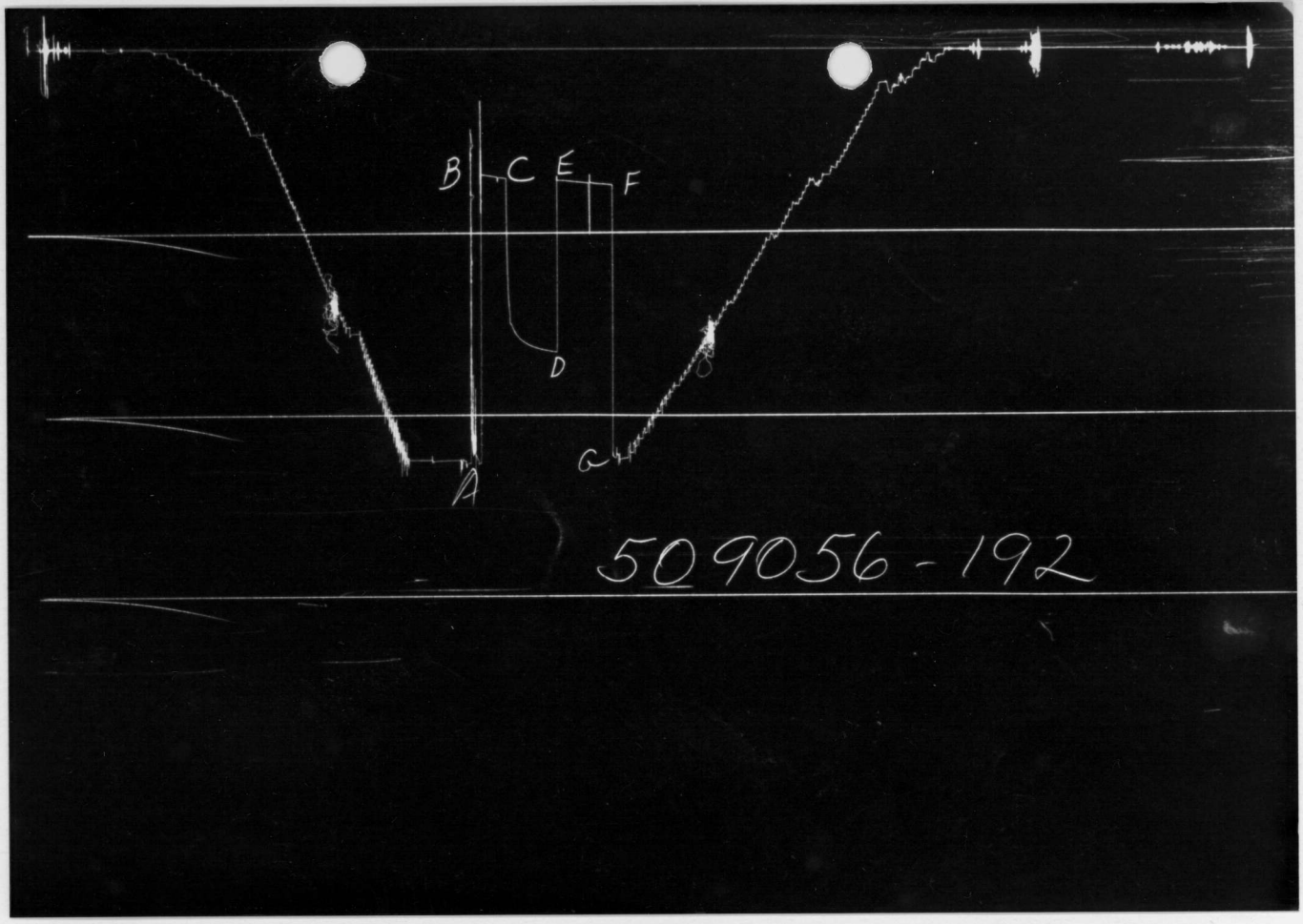
FORMATION TESTING SERVICE REPORT

COYOTE STATE	1	1	4620.0 - 4710.0	LONE MOUNTAIN PRODUCTION COMPANY	
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	COUNTY	STATE		
32-7S-25E	COYOTE BASIN	UINTAH	UTAH SM		



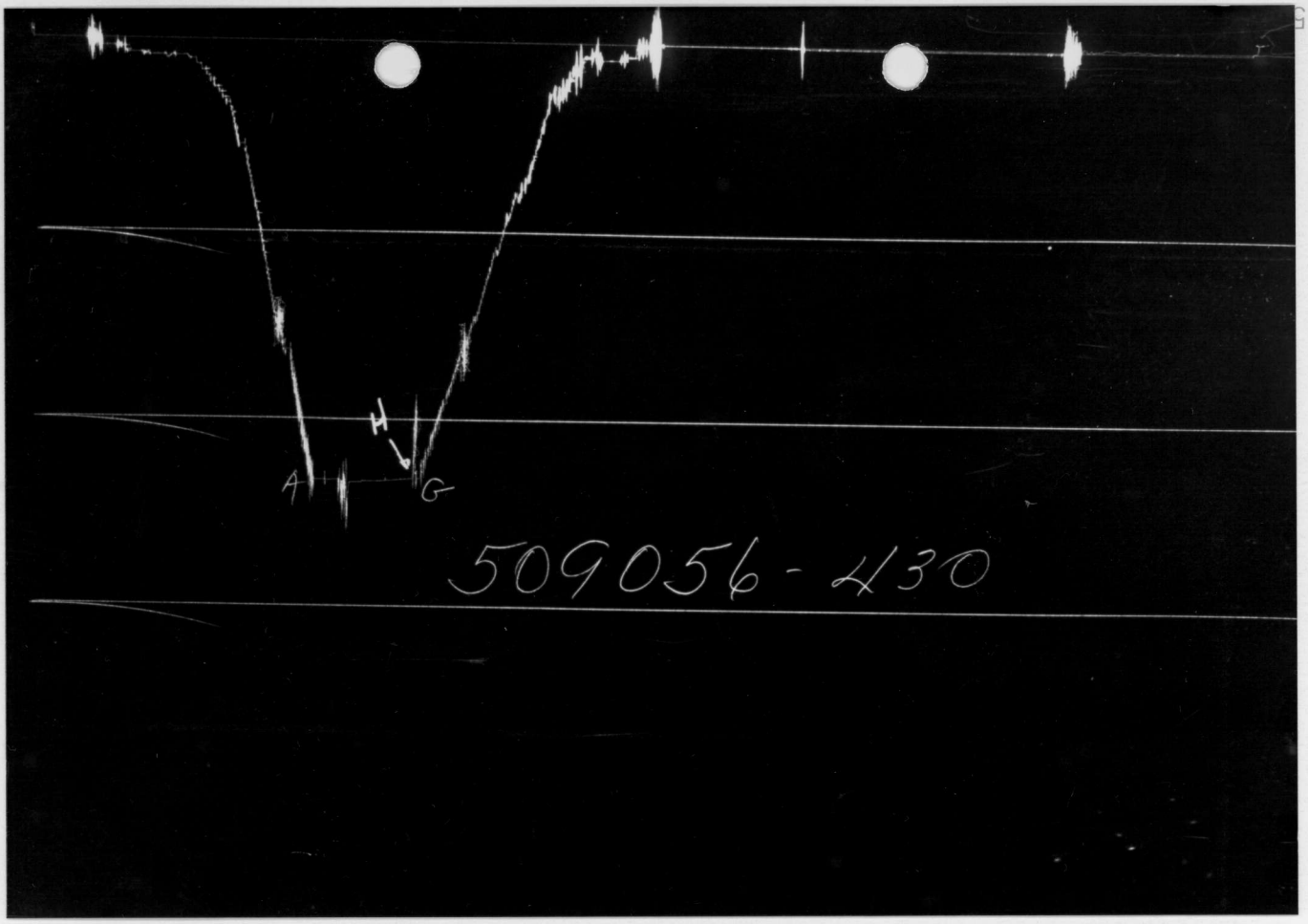
GAUGE NO: 205 DEPTH: 4598.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2224.7			
B	INITIAL FIRST FLOW		660.2	15.0	14.9	F
C	FINAL FIRST FLOW		677.8			
C	INITIAL FIRST CLOSED IN		677.8	30.0	29.7	C
D	FINAL FIRST CLOSED IN		1627.5			
E	INITIAL SECOND FLOW		686.9	32.0	32.5	F
F	FINAL SECOND FLOW		716.1			
G	FINAL HYDROSTATIC		2209.5			
H	HYDROSTATIC RELEASE					



GAUGE NO: 192 DEPTH: 4640.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2254.0			
B	INITIAL FIRST FLOW		685.8	15.0	14.9	F
C	FINAL FIRST FLOW		705.0			
C	INITIAL FIRST CLOSED IN		705.0	30.0	29.7	C
D	FINAL FIRST CLOSED IN		1655.6			
E	INITIAL SECOND FLOW		717.1	32.0	32.5	F
F	FINAL SECOND FLOW		741.6			
G	FINAL HYDROSTATIC		2240.6			
H	HYDROSTATIC RELEASE					



GAUGE NO: 430 DEPTH: 4801.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2331.5			
B	INITIAL FIRST FLOW			15.0		F
C	FINAL FIRST FLOW					
C	INITIAL FIRST CLOSED IN			30.0		C
D	FINAL FIRST CLOSED IN					
E	INITIAL SECOND FLOW			32.0		F
F	FINAL SECOND FLOW					
G	FINAL HYDROSTATIC		2320.9			
H	HYDROSTATIC RELEASE		2324.4			

EQUIPMENT & HOLE DATA

FORMATION TESTED: GREEN RIVER
NET PAY (ft): 11.0
GROSS TESTED FOOTAGE: 90.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft): _____
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 5661.0 KELLY BUSHING
TOTAL DEPTH (ft): 4804.0
PACKER DEPTH(S) (ft): 4614, 4620, 4710
FINAL SURFACE CHOKE (in): _____
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.20
MUD VISCOSITY (sec): 40
ESTIMATED HOLE TEMP. (°F): _____
ACTUAL HOLE TEMP. (°F): ____ @ _____ ft

TICKET NUMBER: 50905600

DATE: 6-4-87 TEST NO: 1

TYPE DST: ON BTM STRADDLE

HALLIBURTON CAMP:
VERNAL

TESTER: RANDY RIPPLE

WITNESS: GLENN ROSS

DRILLING CONTRACTOR:
OLSON DRILLING RIG #5

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm

SAMPLER DATA

Psig AT SURFACE: _____
cu.ft. OF GAS: _____
cc OF OIL: _____
cc OF WATER: _____
cc OF MUD: _____
TOTAL LIQUID cc: _____

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ ____ °F
GAS/OIL RATIO (cu.ft. per bbl): _____
GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

MEASURED FROM TESTER VALVE

REMARKS:

TESTER REPORTED: PACKERS DID NOT HOLD THE FIRST TIME THEY WERE SET. HELD OR WERE PLUGGED OFF ON THE SECOND ATTEMPT; HAD NO BLOW WITH THE ANNULUS REMAINING FULL.

CHARTS INDICATE A CONSIDERABLE AMOUNT OF FLUID WAS PRESENT INSIDE THE TUBULAR GOODS AT BEGINNING OF THE TEST. CHARTS ALSO INDICATE COMMUNICATIONS OF HYDROSTATIC PRESSURE DURING THE FLOW PERIODS. FLOW READINGS SHOULD BE CONSIDERED QUESTIONABLE.

TYPE & SIZE MEASURING DEVICE: 2" ORIFICE TESTER | TICKET NO: 50905600

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
6-4-87					
0530					ON LOCATION, WATIED ON RIG TO
					PULL OUT OF HOLE
0638					PICKED UP DST #1
0958					RAN IN HOLE WITH TOOLS
1256	.125				TOOL OPENED - LOST ANNULUS.
					PULLED TOOL LOOSE
1303					TOOL OPENED, ANNULUS HELD..
					NO BLOW AT ALL
1318					CLOSED TOOL
1348					OPENED TOOL
1420					PULLED TOOL LOOSE
1430					PULLED OUT OF HOLE
1840					LAID TOOLS DOWN
1910					JOB COMPLETED

TICKET NO: 50905600	GAUGE NO: 205
CLOCK NO: 2418 HOUR: 12	DEPTH: 4598.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	660.2			
	2	3.0	661.1	1.0		
	3	6.0	665.5	4.4		
	4	9.0	669.9	4.4		
	5	12.0	673.8	4.0		
C	6	14.9	677.8	4.0		
			FIRST CLOSED-IN			
C	1	0.0	677.8			
	2	1.0	1315.3	637.5	1.0	1.182
	3	2.0	1472.2	794.4	1.8	0.920
	4	3.0	1485.9	808.1	2.5	0.778
	5	4.0	1507.7	829.9	3.1	0.678
	6	5.0	1526.8	849.0	3.8	0.597
	7	6.0	1540.5	862.7	4.3	0.541
	8	7.0	1551.0	873.2	4.8	0.495
	9	8.0	1560.5	882.7	5.2	0.457
	10	9.0	1568.7	890.9	5.6	0.424
	11	10.0	1575.6	897.8	6.0	0.396
	12	12.0	1586.6	908.8	6.6	0.350
	13	14.0	1594.9	917.1	7.2	0.314
	14	16.0	1601.8	924.0	7.7	0.286
	15	18.0	1607.3	929.5	8.1	0.262
	16	20.0	1612.1	934.3	8.5	0.241
	17	22.0	1616.6	938.8	8.9	0.225
	18	24.0	1620.7	942.9	9.2	0.209
	19	26.0	1623.8	946.0	9.5	0.196
	20	28.0	1626.4	948.6	9.7	0.185
D	21	29.7	1627.5	949.7	9.9	0.177
			SECOND FLOW			
E	1	0.0	686.9			
	2	5.0	691.4	4.5		
	3	10.0	696.5	5.1		
	4	15.0	701.4	4.9		
	5	20.0	704.4	3.0		
	6	25.0	710.4	6.0		
F	7	32.5	716.1	5.6		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$

REMARKS:

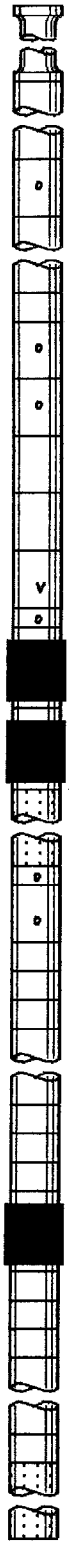
TICKET NO: 50905600	GAUGE NO: 192
CLOCK NO: 7127 HOUR: 12	DEPTH: 4640.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	685.8			
	2	3.0	689.1	3.4		
	3	6.0	693.2	4.0		
	4	9.0	698.3	5.1		
	5	12.0	702.2	3.9		
C	6	14.9	705.0	2.8		
			FIRST CLOSED-IN			
C	1	0.0	705.0			
	2	1.0	1305.9	600.9	0.9	1.199
	3	2.0	1443.8	738.7	1.8	0.925
	4	3.0	1504.0	799.0	2.5	0.781
	5	4.0	1528.0	823.0	3.2	0.671
	6	5.0	1547.4	842.4	3.7	0.599
	7	6.0	1561.3	856.2	4.3	0.544
	8	7.0	1572.9	867.9	4.7	0.497
	9	8.0	1584.2	879.2	5.2	0.455
	10	9.0	1591.6	886.6	5.6	0.424
	11	10.0	1598.3	893.3	6.0	0.397
	12	12.0	1609.8	904.8	6.6	0.351
	13	14.0	1620.3	915.3	7.2	0.314
	14	16.0	1627.3	922.3	7.7	0.286
	15	18.0	1633.8	928.8	8.1	0.262
	16	20.0	1639.4	934.4	8.5	0.242
	17	22.0	1643.9	938.9	8.9	0.224
	18	24.0	1647.7	942.7	9.2	0.209
	19	26.0	1650.7	945.6	9.5	0.197
	20	28.0	1653.4	948.4	9.7	0.185
D	21	29.7	1655.6	950.5	9.9	0.177
			SECOND FLOW			
E	1	0.0	717.1			
	2	5.0	718.6	1.5		
	3	10.0	723.5	5.0		
	4	15.0	728.4	4.8		
	5	20.0	730.4	2.0		
	6	25.0	735.8	5.4		
F	7	32.5	741.6	5.8		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t+\Delta t}$	$\log \frac{t+\Delta t}{\Delta t}$

REMARKS:

TICKET NO. 50905600



		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE	4.000	3.340	4114.0	
3	DRILL COLLARS	6.000	2.250	416.9	
50	IMPACT REVERSING SUB	6.000	3.000	1.0	4524.0
3	DRILL COLLARS	6.000	2.250	59.3	
5	CROSSOVER	6.125	2.500	1.2	
13	DUAL CIP SAMPLER	5.000	0.750	7.0	
60	HYDROSPRING TESTER	5.000	0.750	5.0	4596.0
80	AP RUNNING CASE	5.000	2.250	4.1	4598.0
15	JAR	5.000	1.750	5.0	
16	VR SAFETY JOINT	5.000	1.000	2.8	
17	PRESSURE EQUALIZING CROSSOVER	5.000	0.750	1.0	
70	OPEN HOLE PACKER	7.000	1.530	5.8	4614.0
70	OPEN HOLE PACKER	7.000	1.530	5.8	4620.0
20	FLUSH JOINT ANCHOR	5.750	3.500	13.0	
17	PRESSURE EQUALIZING CROSSOVER	5.000	0.750	4.7	
81	BLANKED-OFF RUNNING CASE	5.000		4.1	4640.0
5	CROSSOVER	5.000	2.250	0.6	
5	CROSSOVER	4.813	2.250	1.0	
5	CROSSOVER	5.750	2.875	1.0	
3	DRILL COLLARS	6.063	2.250	60.2	
5	CROSSOVER	6.031	2.250	1.0	
5	CROSSOVER	5.875	2.063	0.9	
5	CROSSOVER	5.000	2.688	1.0	
70	OPEN HOLE PACKER	7.000	1.530	5.8	4710.0
5	CROSSOVER	5.000	2.250	0.7	
5	CROSSOVER	5.750	2.188	0.6	
5	CROSSOVER	6.125	2.500	1.1	
3	DRILL COLLARS	6.063	2.250	60.5	
5	CROSSOVER	5.750	2.313	1.0	
20	FLUSH JOINT ANCHOR	5.750	3.500	21.0	

CONTINUED

EQUIPMENT DATA

TICKET NO. 50905600

		O.D.	I.D.	LENGTH	DEPTH
81	 BLANKED-OFF RUNNING CASE.....	5.750		4.1	4801.0
	TOTAL DEPTH				4804.0

EQUIPMENT DATA

Dilg.

RECEIVED
JUN 25 1987
DIVISION OF
OIL, GAS & MINING

062906

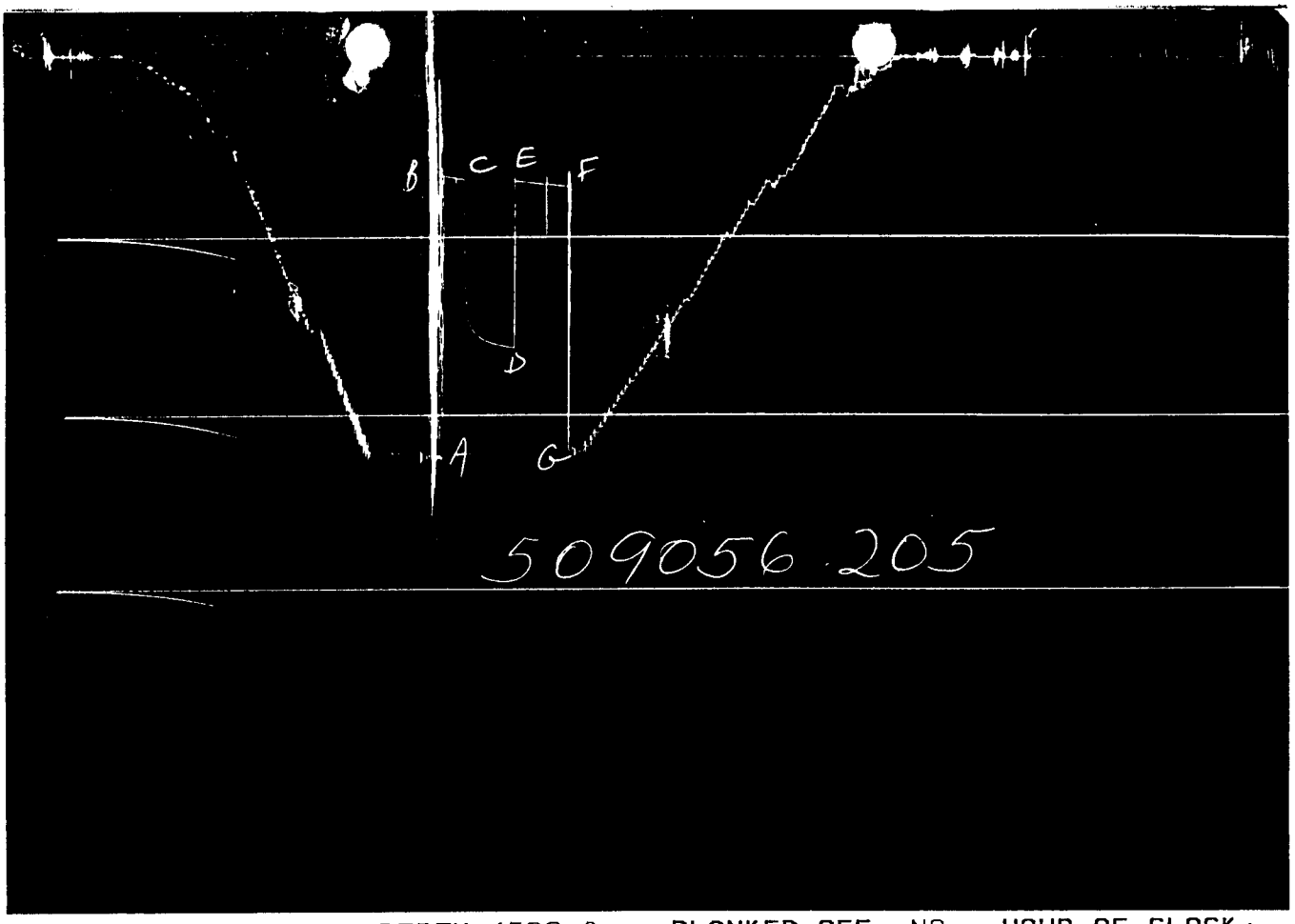
HALLIBURTON SERVICES

TICKET NO. 50905600
10-JUN-87
VERNAL

FORMATION TESTING SERVICE REPORT

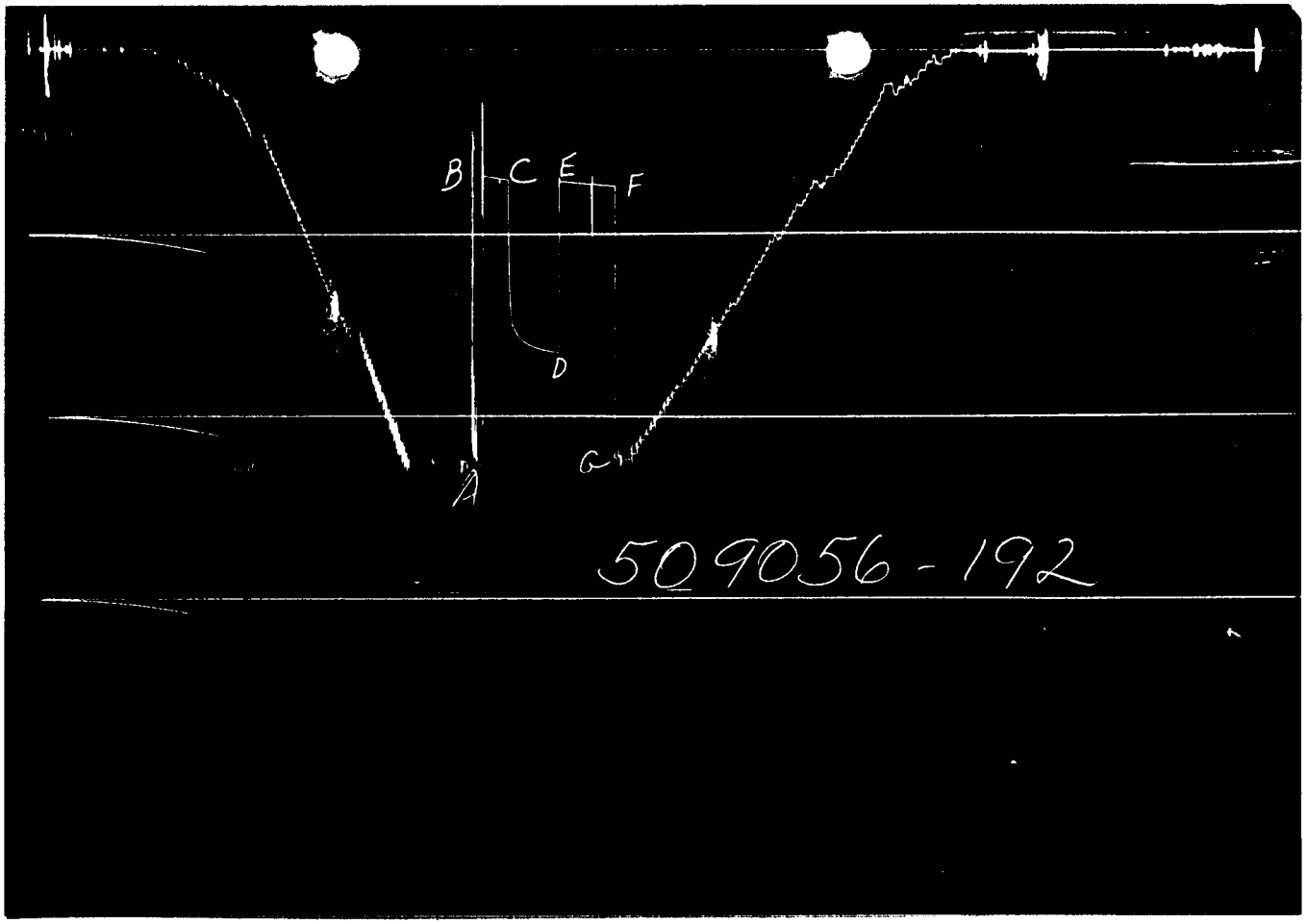
COYOTE STATE	1	1	4520.0 - 4710.0	LONE MOUNTAIN PRODUCTION COMPANY	
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION SEC. - TWP. - RNG.	FIELD AREA	COUNTY	STATE		
32-7S-25E	COYOTE BASIN	UINTAH	UTAH SM		

817



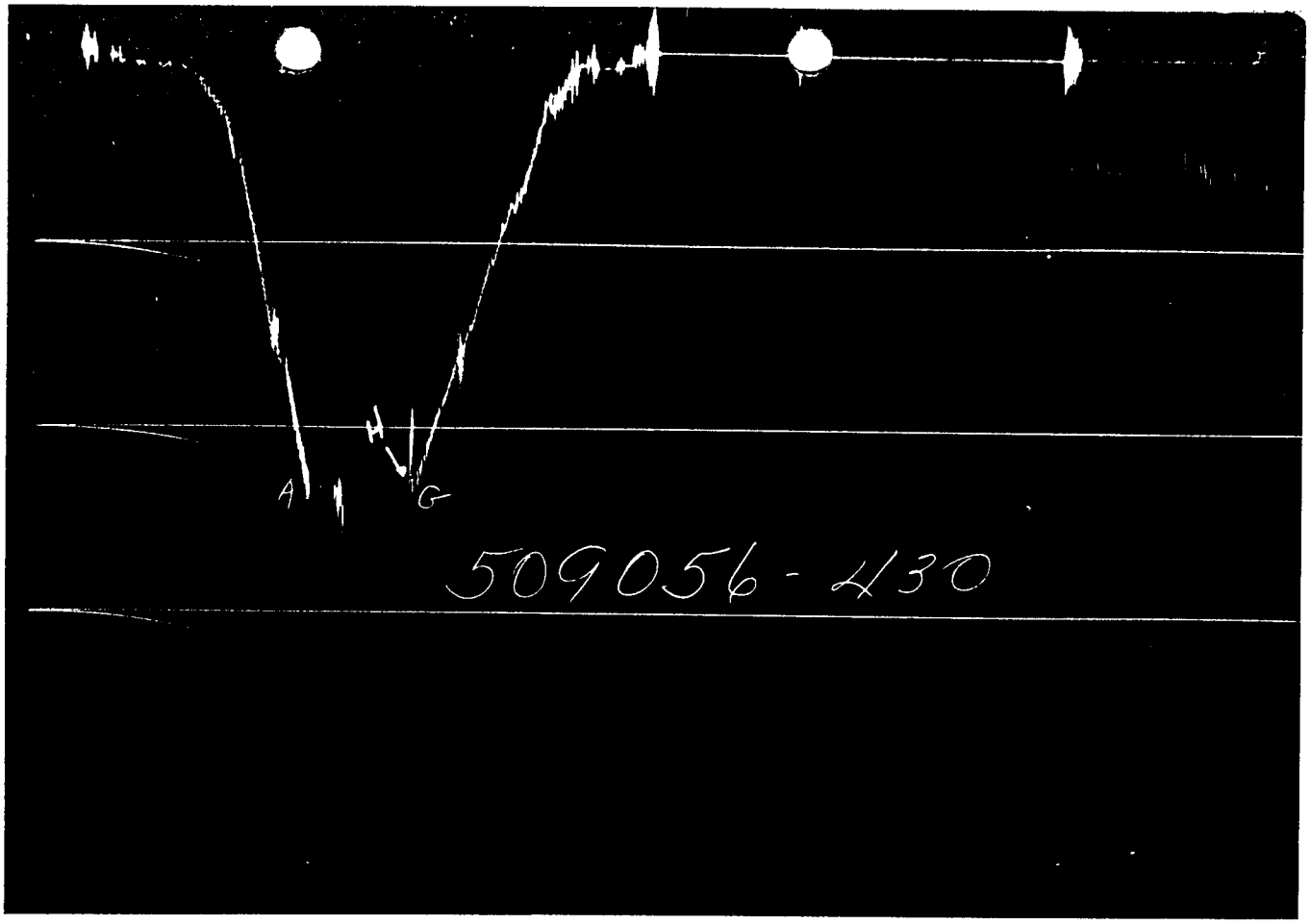
GAUGE NO: 205 DEPTH: 4598.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2224.7			
B	INITIAL FIRST FLOW		660.2	15.0	14.9	F
C	FINAL FIRST FLOW		677.8			
C	INITIAL FIRST CLOSED IN		677.8	30.0	29.7	C
D	FINAL FIRST CLOSED IN		1627.5			
E	INITIAL SECOND FLOW		686.9	32.0	32.5	F
F	FINAL SECOND FLOW		716.1			
G	FINAL HYDROSTATIC		2209.5			
H	HYDROSTATIC RELEASE					



GAUGE NO: 192 DEPTH: 4640.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2254.0			
B	INITIAL FIRST FLOW		685.8	15.0	14.9	F
C	FINAL FIRST FLOW		705.0			
C	INITIAL FIRST CLOSED IN		705.0	30.0	29.7	C
D	FINAL FIRST CLOSED IN		1655.6			
E	INITIAL SECOND FLOW		717.1	32.0	32.5	F
F	FINAL SECOND FLOW		741.6			
G	FINAL HYDROSTATIC		2240.6			
H	HYDROSTATIC RELEASE					



GAUGE NO: 430 DEPTH: 4801.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2331.5			
B C	INITIAL FIRST FLOW FINAL FIRST FLOW			15.0		F
C D	INITIAL FIRST CLOSED IN FINAL FIRST CLOSED IN			30.0		C
E F	INITIAL SECOND FLOW FINAL SECOND FLOW			32.0		F
G	FINAL HYDROSTATIC		2320.9			
H	HYDROSTATIC RELEASE		2324.4			

EQUIPMENT & HOLE DATA

FORMATION TESTED: GREEN RIVER
NET PAY (ft): 11.0
GROSS TESTED FOOTAGE: 90.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 7.875
ELEVATION (ft): 5661.0 KELLY BUSHING
TOTAL DEPTH (ft): 4804.0
PACKER DEPTH(S) (ft): 4614, 4620, 4710
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.20
MUD VISCOSITY (sec): 40
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): ____ @ _____ ft

TICKET NUMBER: 50905600
DATE: 6-4-87 TEST NO: 1
TYPE DST: ON BTM STRADDLE
HALLIBURTON CAMP: VERNAL
TESTER: RANDY RIPPLE
WITNESS: GLENN ROSS
DRILLING CONTRACTOR: OLSON DRILLING RIG #5

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm
	____ @ ____ °F	____ ppm

SAMPLER DATA

Psig AT SURFACE:
cu.ft. OF GAS:
cc OF OIL:
cc OF WATER:
cc OF MUD:
TOTAL LIQUID cc:

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ ____ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

MEASURED FROM TESTER VALVE

REMARKS:

TESTER REPORTED: PACKERS DID NOT HOLD THE FIRST TIME THEY WERE SET. HELD OR WERE PLUGGED OFF ON THE SECOND ATTEMPT; HAD NO BLOW WITH THE ANNULUS REMAINING FULL.

CHARTS INDICATE A CONSIDERABLE AMOUNT OF FLUID WAS PRESENT INSIDE THE TUBULAR GOODS AT BEGINNING OF THE TEST. CHARTS ALSO INDICATE COMMUNICATIONS OF HYDROSTATIC PRESSURE DURING THE FLOW PERIODS. FLOW READINGS SHOULD BE CONSIDERED QUESTIONABLE.

TYPE & SIZE MEASURING DEVICE: 2" ORIFICE TESTER					TICKET NO: 50905600
TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
6-4-87					
0530					ON LOCATION, WATIED ON RIG TO
					PULL OUT OF HOLE
0638					PICKED UP DST #1
0958					RAN IN HOLE WITH TOOLS
1256	.125				TOOL OPENED - LOST ANNULUS.
					PULLED TOOL LOOSE
1303					TOOL OPENED, ANNULUS HELD..
					NO BLOW AT ALL
1318					CLOSED TOOL
1348					OPENED TOOL
1420					PULLED TOOL LOOSE
1430					PULLED OUT OF HOLE
1840					LAID TOOLS DOWN
1910					JOB COMPLETED

TICKET NO: 50905600

CLOCK NO: 2418 HOUR: 12

GAUGE NO: 205

DEPTH: 4598.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	660.2			
	2	3.0	661.1	1.0		
	3	6.0	665.5	4.4		
	4	9.0	669.9	4.4		
	5	12.0	673.8	4.0		
C	6	14.9	677.8	4.0		
			FIRST CLOSED-IN			
C	1	0.0	677.8			
	2	1.0	1315.3	637.5	1.0	1.182
	3	2.0	1472.2	794.4	1.8	0.920
	4	3.0	1485.9	808.1	2.5	0.778
	5	4.0	1507.7	829.9	3.1	0.678
	6	5.0	1526.8	849.0	3.8	0.597
	7	6.0	1540.5	862.7	4.3	0.541
	8	7.0	1551.0	873.2	4.8	0.495
	9	8.0	1560.5	882.7	5.2	0.457
	10	9.0	1568.7	890.9	5.6	0.424
	11	10.0	1575.6	897.8	6.0	0.396
	12	12.0	1586.6	908.8	6.6	0.350
	13	14.0	1594.9	917.1	7.2	0.314
	14	16.0	1601.8	924.0	7.7	0.286
	15	18.0	1607.3	929.5	8.1	0.262
	16	20.0	1612.1	934.3	8.5	0.241
	17	22.0	1616.6	938.8	8.9	0.225
	18	24.0	1620.7	942.9	9.2	0.209
	19	26.0	1623.8	946.0	9.5	0.196
	20	28.0	1626.4	948.6	9.7	0.185
D	21	29.7	1627.5	949.7	9.9	0.177
			SECOND FLOW			
E	1	0.0	686.9			
	2	5.0	691.4	4.5		
	3	10.0	696.5	5.1		
	4	15.0	701.4	4.9		
	5	20.0	704.4	3.0		
	6	25.0	710.4	6.0		
F	7	32.5	716.1	5.6		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$

REMARKS:

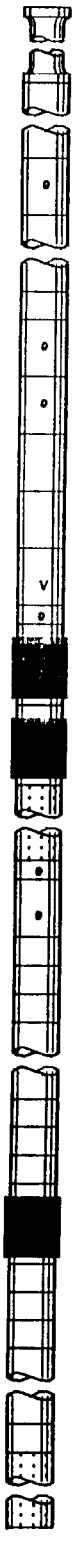
TICKET NO: 50905600	GAUGE NO: 192
CLOCK NO: 7127 HOUR: 12	DEPTH: 4640.0

REF		MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
			FIRST FLOW			
B	1	0.0	685.8			
	2	3.0	689.1	3.4		
	3	6.0	693.2	4.0		
	4	9.0	698.3	5.1		
	5	12.0	702.2	3.9		
C	6	14.9	705.0	2.8		
			FIRST CLOSED-IN			
C	1	0.0	705.0			
	2	1.0	1305.9	600.9	0.9	1.199
	3	2.0	1443.8	738.7	1.8	0.925
	4	3.0	1504.0	799.0	2.5	0.781
	5	4.0	1528.0	823.0	3.2	0.671
	6	5.0	1547.4	842.4	3.7	0.599
	7	6.0	1561.3	856.2	4.3	0.544
	8	7.0	1572.9	867.9	4.7	0.497
	9	8.0	1584.2	879.2	5.2	0.455
	10	9.0	1591.6	886.6	5.6	0.424
	11	10.0	1598.3	893.3	6.0	0.397
	12	12.0	1609.8	904.8	6.6	0.351
	13	14.0	1620.3	915.3	7.2	0.314
	14	16.0	1627.3	922.3	7.7	0.286
	15	18.0	1633.8	928.8	8.1	0.262
	16	20.0	1639.4	934.4	8.5	0.242
	17	22.0	1643.9	938.9	8.9	0.224
	18	24.0	1647.7	942.7	9.2	0.209
	19	26.0	1650.7	945.6	9.5	0.197
	20	28.0	1653.4	948.4	9.7	0.185
D	21	29.7	1655.6	950.5	9.9	0.177
			SECOND FLOW			
E	1	0.0	717.1			
	2	5.0	718.6	1.5		
	3	10.0	723.5	5.0		
	4	15.0	728.4	4.8		
	5	20.0	730.4	2.0		
	6	25.0	735.8	5.4		
F	7	32.5	741.6	5.8		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$

REMARKS:

TICKET NO. 50905600



		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE	4.000	3.340	4114.0	
3	DRILL COLLARS	6.000	2.250	416.9	
50	IMPACT REVERSING SUB	6.000	3.000	1.0	4524.0
3	DRILL COLLARS	6.000	2.250	59.3	
5	CROSSOVER	6.125	2.500	1.2	
13	DUAL CIP SAMPLER	5.000	0.750	7.0	
60	HYDROSPRING TESTER	5.000	0.750	5.0	4596.0
80	AP RUNNING CASE	5.000	2.250	4.1	4598.0
15	JAR	5.000	1.750	5.0	
16	VR SAFETY JOINT	5.000	1.000	2.8	
17	PRESSURE EQUALIZING CROSSOVER	5.000	0.750	1.0	
70	OPEN HOLE PACKER	7.000	1.530	5.8	4614.0
70	OPEN HOLE PACKER	7.000	1.530	5.8	4620.0
20	FLUSH JOINT ANCHOR	5.750	3.500	13.0	
17	PRESSURE EQUALIZING CROSSOVER	5.000	0.750	4.7	
81	BLANKED-OFF RUNNING CASE	5.000		4.1	4640.0
5	CROSSOVER	5.000	2.250	0.6	
5	CROSSOVER	4.813	2.250	1.0	
5	CROSSOVER	5.750	2.875	1.0	
3	DRILL COLLARS	6.063	2.250	60.2	
5	CROSSOVER	6.031	2.250	1.0	
5	CROSSOVER	5.875	2.063	0.9	
5	CROSSOVER	5.000	2.688	1.0	
70	OPEN HOLE PACKER	7.000	1.530	5.8	4710.0
5	CROSSOVER	5.000	2.250	0.7	
5	CROSSOVER	5.750	2.188	0.6	
5	CROSSOVER	6.125	2.500	1.1	
3	DRILL COLLARS	6.063	2.250	60.5	
5	CROSSOVER	5.750	2.313	1.0	
20	FLUSH JOINT ANCHOR	5.750	3.500	21.0	

CONTINUED

EQUIPMENT DATA

TICKET NO. 50905600

		O.D.	I.D.	LENGTH	DEPTH
81	 BLANKED-OFF RUNNING CASE.....	5.750		4.1	4801.0
	TOTAL DEPTH				4804.0

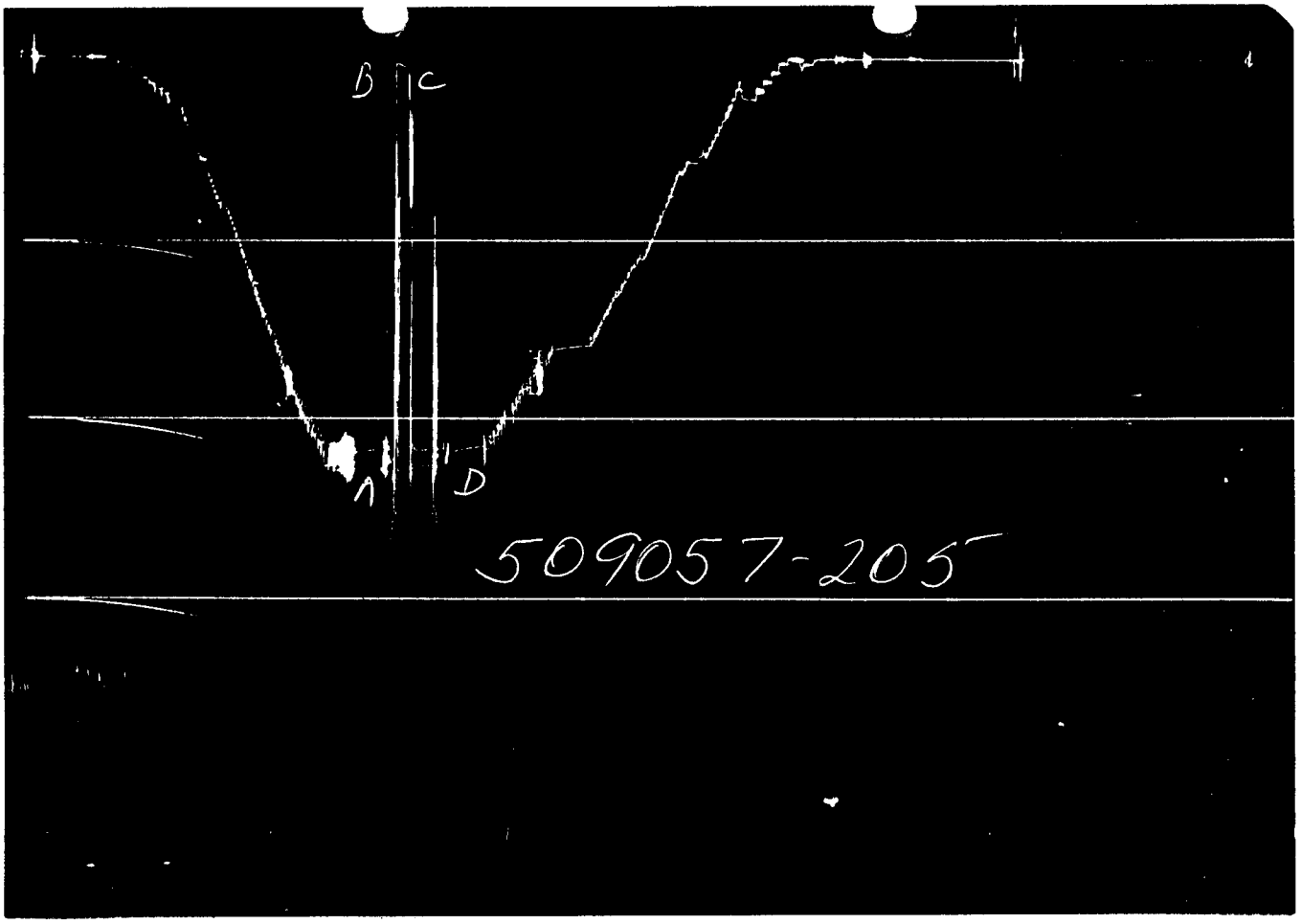
EQUIPMENT DATA

HALLIBURTON SERVICES

TICKET NO. 50905700
10-JUN-87
VERNAL

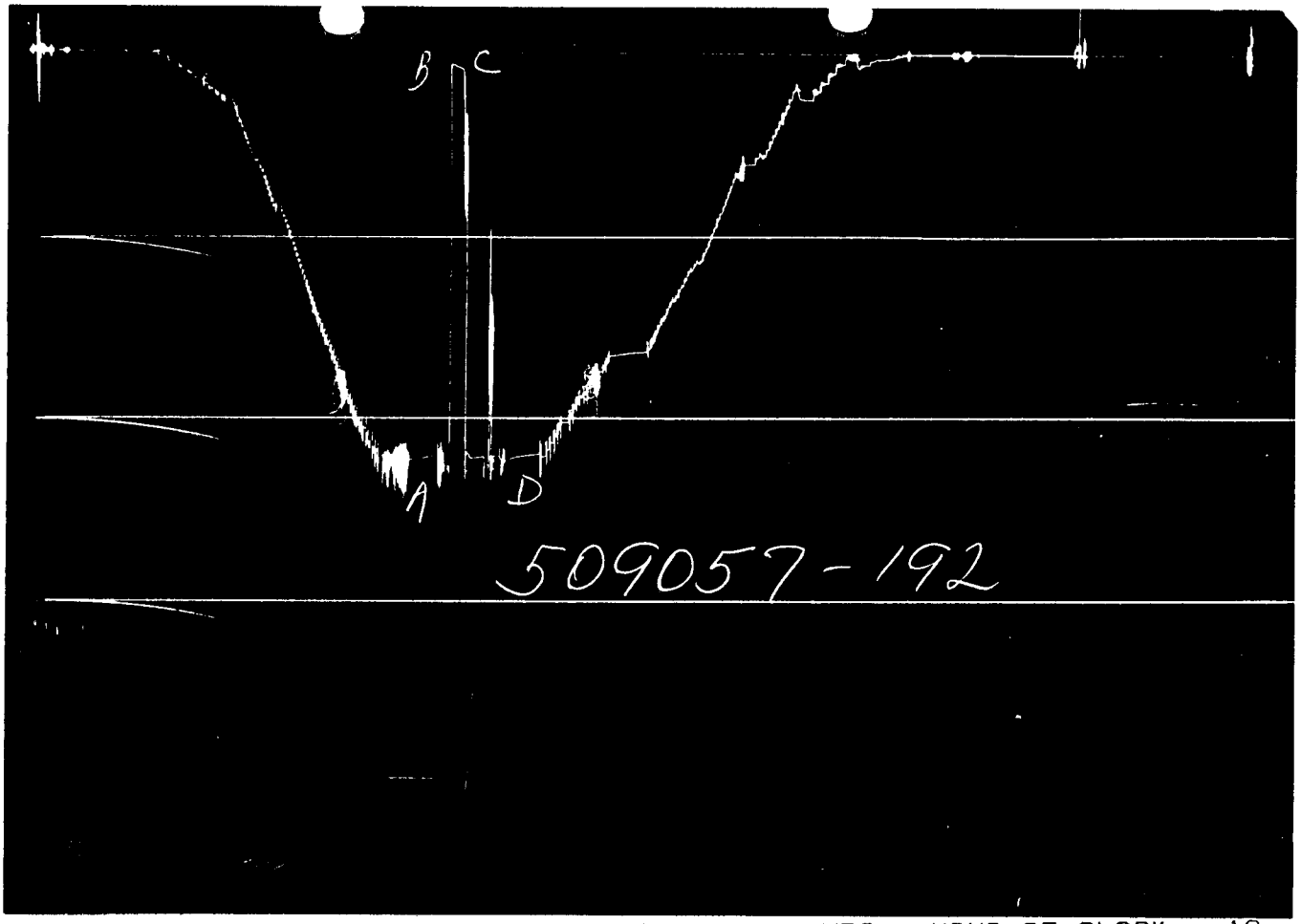
FORMATION TESTING SERVICE REPORT

COYOTE STATE (LEASE NAME)	1 (WELL NO.)	2 (TEST NO.)	LONE MOUNTAIN PRODUCTION COMPANY (LEASE OWNER/COMPANY NAME)
LEGAL LOCATION SEC. - TWP. - RNG. 32 7S 25E	FIELD AREA COYOTE BASIN	COUNTY UINTAH	STATE UTAH SM
		4604.0 - 4710.0 (TESTED INTERVAL)	



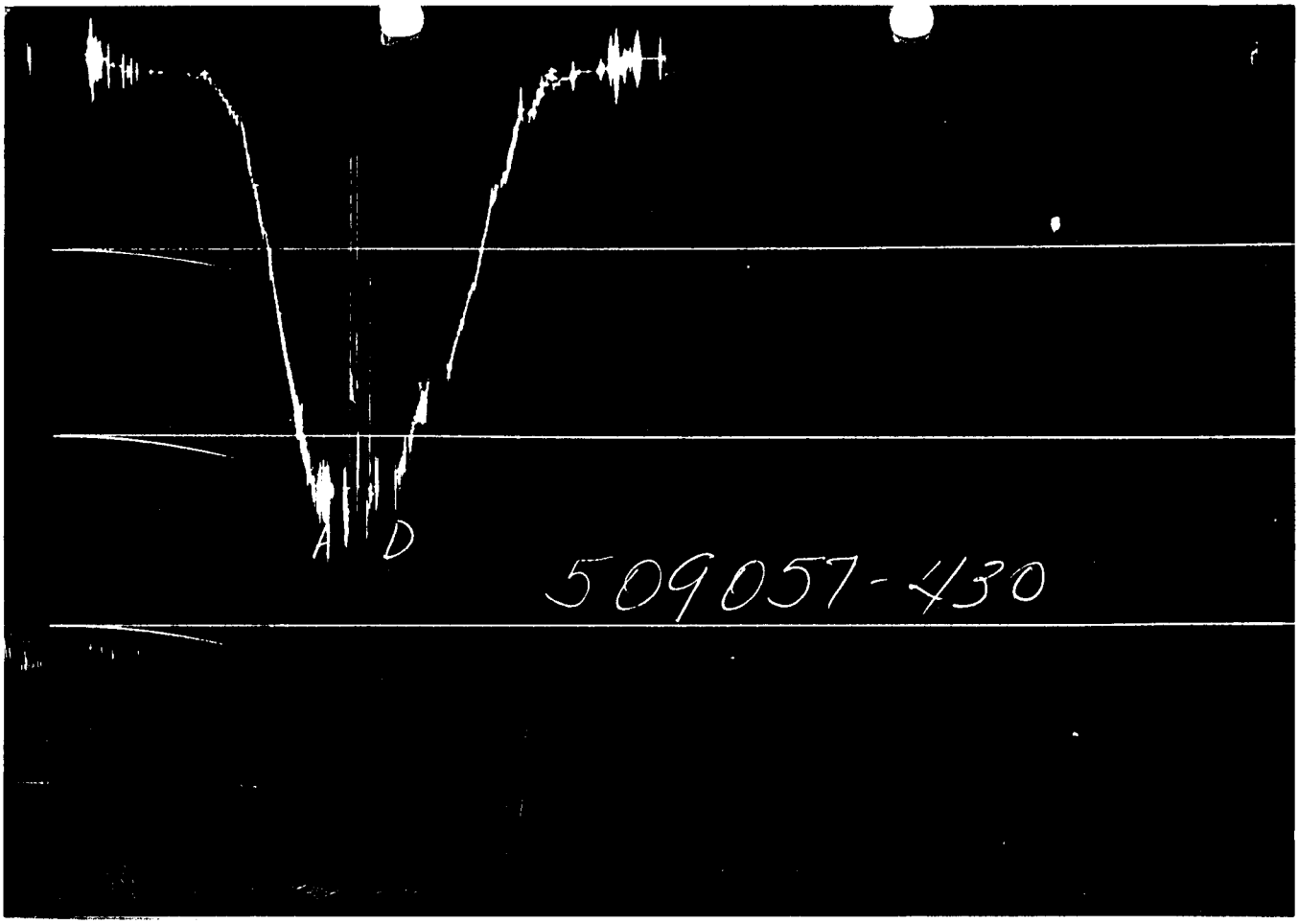
GAUGE NO: 205 DEPTH: 4580.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2182.6				
B	INITIAL FIRST FLOW	40.8		10.0	10.0	F
C	FINAL FIRST FLOW	57.4				
D	FINAL HYDROSTATIC	2180.1				



GAUGE NO: 192 DEPTH: 4639.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	2214.2				
B	INITIAL FIRST FLOW	65.9		10.0	10.0	F
C	FINAL FIRST FLOW	89.1				
D	FINAL HYDROSTATIC	2212.7				



GAUGE NO: 430 DEPTH: 4801.0 BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC		2300.5			
B	INITIAL FIRST FLOW			10.0		F
C	FINAL FIRST FLOW					
D	FINAL HYDROSTATIC		2290.3			

EQUIPMENT & HOLE DATA

FORMATION TESTED: GREEN RIVER
NET PAY (ft): 11.0
GROSS TESTED FOOTAGE: 106.0
ALL DEPTHS MEASURED FROM: KELLY BUSHING
CASING PERFS. (ft):
HOLE OR CASING SIZE (in): 8.875
ELEVATION (ft): 5661.0 KELLY BUSHING
TOTAL DEPTH (ft): 4804.0
PACKER DEPTH(S) (ft): 4596, 4604, 4710
FINAL SURFACE CHOKE (in):
BOTTOM HOLE CHOKE (in): 0.750
MUD WEIGHT (lb/gal): 9.20
MUD VISCOSITY (sec): 42
ESTIMATED HOLE TEMP. (°F):
ACTUAL HOLE TEMP. (°F): ___ @ ___ ft

TICKET NUMBER: 50905700

DATE: 6-5-87 TEST NO: 2

TYPE DST: ON BTM STRADDLE

HALLIBURTON CAMP: VERNAL

TESTER: RANDY RIPPLE

WITNESS: GLENN ROSS

DRILLING CONTRACTOR: OLSON DRILLING RIG #5

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
	___ @ ___ °F	___ ppm
	___ @ ___ °F	___ ppm
	___ @ ___ °F	___ ppm
	___ @ ___ °F	___ ppm
	___ @ ___ °F	___ ppm
	___ @ ___ °F	___ ppm

SAMPLER DATA

Psig AT SURFACE:
cu.ft. OF GAS:
cc OF OIL:
cc OF WATER:
cc OF MUD:
TOTAL LIQUID cc:

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): ___ @ ___ °F
GAS/OIL RATIO (cu.ft. per bbl):
GAS GRAVITY:

CUSHION DATA

TYPE	AMOUNT	WEIGHT

RECOVERED:

MEASURED FROM TESTER VALVE

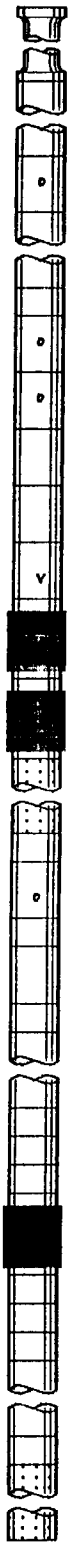
REMARKS:

MISRUN....LOST ANNULUS 8 MINUTES INTO INITIAL FLOW; PACKER SEAT FAILED.

TYPE & SIZE MEASURING DEVICE: _____ TICKET NO: 50905700

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
6-5-87					
0225					ON LOCATION
0320					PICKED UP TOOLS FOR DST #2
0600					RAN IN HOLE WITH TOOLS
0854	.125				OPENED TOOL WITH 1/2" BLOW IN
					WATER
0859	.125				2 1/2" BLOW IN WATER
0904					LOST BACKSIDE, PULLED TOOLS
					LOOSE
0909					RESET PACKERS, LOST ANNULUS
0919					RIGGED DOWN SURFACE EQUIPMENT
0941					PULLED OUT OF HOLE
1320					BROKE DOWN AND LAID TOOLS DOWN
					LOADED TOOLS OUT
1503					JOB COMPLETED

TICKET NO. 50905700



		O.D.	I.D.	LENGTH	DEPTH
1	DRILL PIPE	4.000	3.340	4088.0	
3	DRILL COLLARS	6.000	2.250	416.9	
50	IMPACT REVERSING SUB	6.000	3.000	1.0	4506.0
3	DRILL COLLARS	6.125	2.250	59.3	
5	CROSSOVER	5.000	2.500	1.2	
13	DUAL CIP SAMPLER	5.000	0.750	7.0	
60	HYDROSPRING TESTER	5.000	0.750	5.0	4578.0
80	AP RUNNING CASE	5.000	2.250	4.1	4580.0
15	JAR	5.000	1.750	5.0	
16	VR SAFETY JOINT	5.000	1.000	2.8	
70	OPEN HOLE PACKER	7.000	1.530	7.4	4596.0
70	OPEN HOLE PACKER	7.000	1.530	7.4	4604.0
20	FLUSH JOINT ANCHOR	5.750	3.500	32.0	
5	CROSSOVER	6.000	2.750	1.0	
81	BLANKED-OFF RUNNING CASE	5.000		4.1	4639.0
5	CROSSOVER	4.813	2.250	1.0	
23	BLANK SUB	5.750	2.750	1.0	
5	CROSSOVER	5.750	2.875	1.0	
3	DRILL COLLARS	6.063	2.250	60.2	
5	CROSSOVER	6.031	2.250	1.0	
5	CROSSOVER	5.875	2.063	0.9	
5	CROSSOVER	5.000	2.688	1.0	
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5	CROSSOVER	5.750	2.188	0.6	
5	CROSSOVER	6.125	2.500	1.1	
3	DRILL COLLARS	6.063	2.250	60.5	
5	CROSSOVER	5.750	2.313	1.0	
20	FLUSH JOINT ANCHOR	5.750	3.500	20.0	

CONTINUED

EQUIPMENT DATA

TICKET NO. 50905700

		O.D.	I.D.	LENGTH	DEPTH
81	 BLANKED-OFF RUNNING CASE.....	5.750		4.1	4801.0
	TOTAL DEPTH				4804.0

EQUIPMENT DATA

LONE MOUNTAIN PRODUCTION COMPANY
P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

June 13, 1990

UTAH DIVISION OF STATE LANDS & FORESTRY
3 Triad Center, #400
Salt Lake City, UT 84180-1204
Attention: Ed Bonner

Dear Mr. Bonner:

Lone Mountain Production Company hereby requests the following well locations be released from our statewide drilling bond (letter of credit). These locations were both inspected by Lone Mountain personnel in early June, 1990 and both had very good vegetation cover.

1. STATE NO. 2-8
   SW NE SEC. 2: T17S - R25E
   GRAND COUNTY, UTAH
   LEASE ML-4189
   API NO. 43-019-31202

   P&A: 10-14-85
   SEEDED: FALL, 1985

2. COYOTE STATE NO. 1
   SE SW SEC. 32: T7S - R25E
   UINTAH COUNTY, UTAH
   LEASE ML-42147
   API NO. 43-047-31796 PA

   SEEDED: OCT. 1987 AND NOV. 1988

tion are maps showing directions to each location.
ease call me at your convenience.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY

James G. Routson

Have plugging orders 6/5/87

il, Gas & Mining

*901227 called Mr. Routson / Ed Bonner is aware of request. Lef

LONE MOUNTAIN PRODUCTION COMPANY
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BILLINGS, MONTANA 59103-3394
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   UINTAH COUNTY, UTAH
   LEASE ML-42147
   API NO. 43-047-31796 PA

   P&A: 6-6-87
   SEEDED: OCT. 1987 AND NOV. 1988

Enclosed for your information are maps showing directions to each location. Should you have any questions, please call me at your convenience.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY

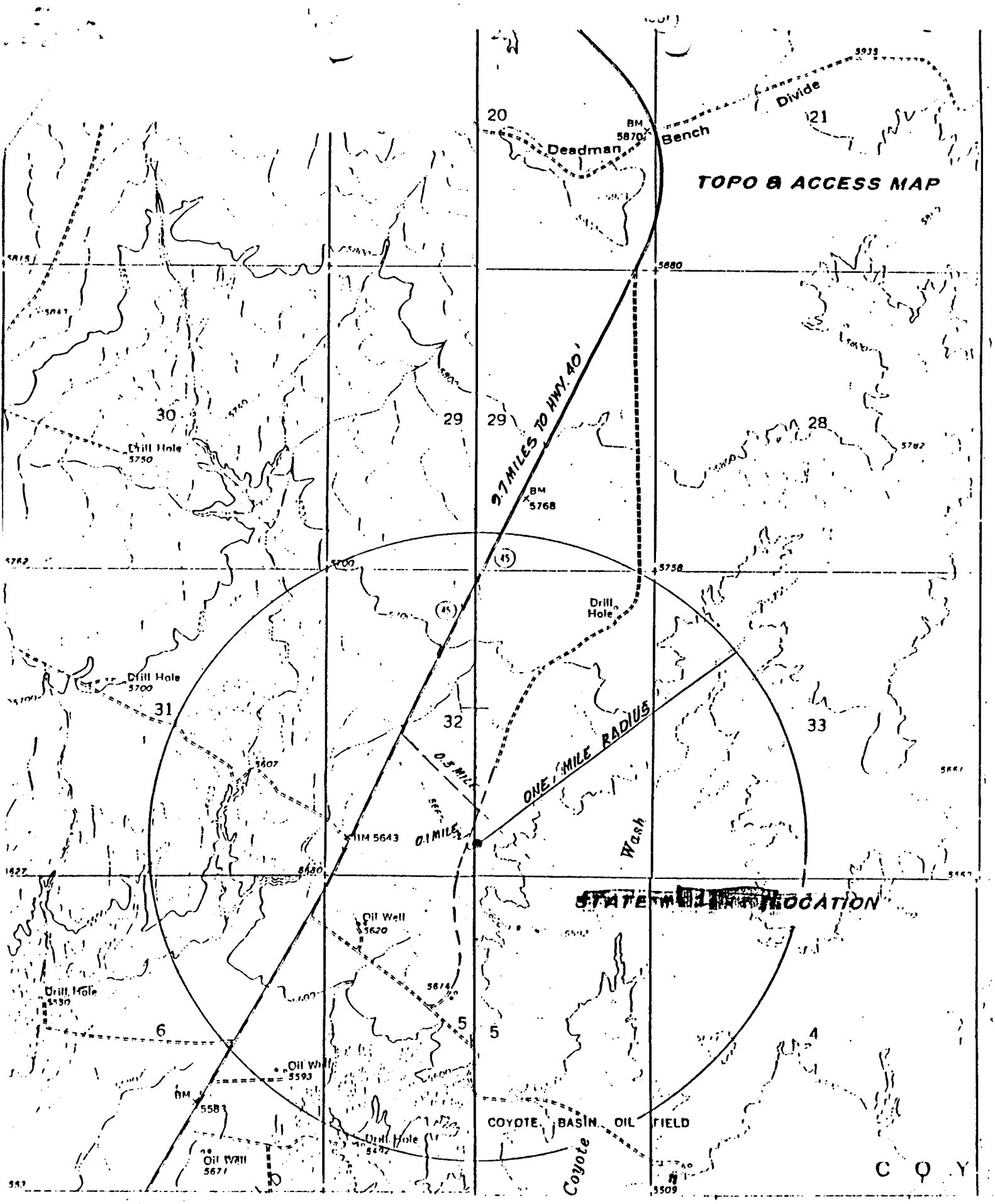
Jim Routson

James G. Routson

JGR:lw
enclosures

xc: Ron Firth, Division of Oil, Gas & Mining

*901227 called Mr. Routson / Ed Bonner is aware of request. Lp


TOPO & ACCESS MAP
Deadman
Bench
Divide
BM 5870
20
21
30
29
29
28
9.7 MILES TO HWY. 40
BM 5768
Drill Hole 5750
Drill Hole 5700
Drill Hole
31
32
33
0.5 MILE
ONE MILE RADIUS
0.1 MILE
BM 5643
Wash
STATE
LOCATION
Oil Well 5620
Drill Hole 5530
Oil Well 5593
BM 5583
Oil Well 5671
Drill Hole 5642
6
5
5
4
1
COYOTE BASIN OIL FIELD
Coyote
C O Y

LONE MOUNTAIN PRODUCTION COMPANY
P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

June 13, 1990

UTAH DIVISION OF STATE LANDS & FORESTRY
3 Triad Center, #400
Salt Lake City, UT 84180-1204
Attention: Ed Bonner

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1. STATE NO. 2-8
   SW NE SEC. 2: T17S - R25E
   GRAND COUNTY, UTAH
   LEASE ML-4189

   Burton W. Hancock - PA'd 10-14-85

   API NO. 43-019-31202

   P&A: 10-14-85

   SEEDED: FALL, 1985

2. COYOTE STATE NO. 1
   SE SW SEC. 32: T07S - R25E
   UINTAH COUNTY, UTAH
   LEASE ML-42147

   Lone Mtn. Prod. Co. - PA'd 6-6-87

   API NO. 43-047-31796

   P&A: 6-6-87

   SEEDED: OCT. 1987 AND NOV. 1988

Enclosed for your information are maps showing directions to each location. Should you have any questions, please call me at your convenience.

Very truly yours,

LONE MOUNTAIN PRODUCTION COMPANY

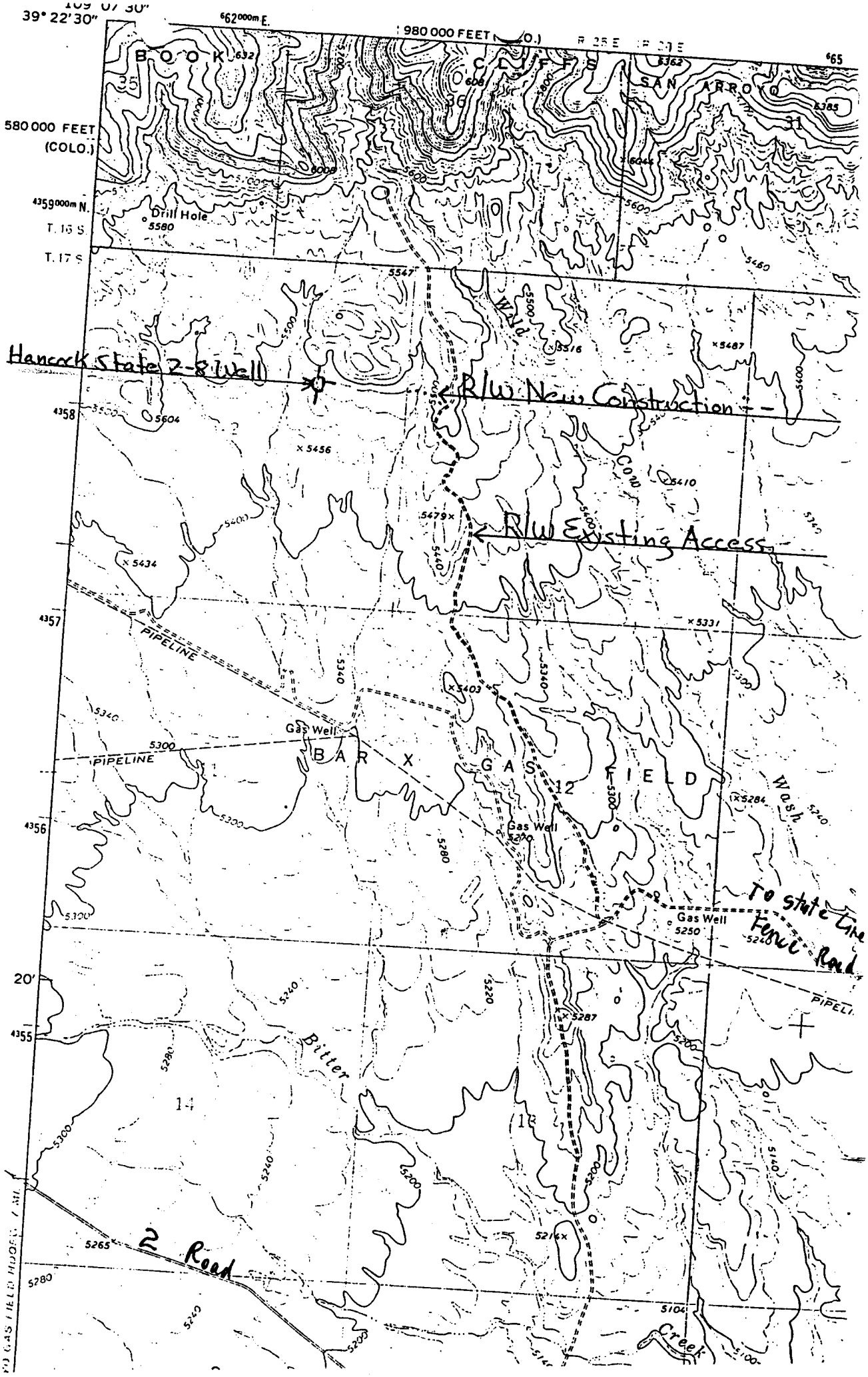
Jim Routson

James G. Routson

JGR:lw
enclosures

xc: Ron Firth, Division of Oil, Gas & Mining

OIL AND GAS	
DRN	RJF
JPB	GLH
DTS	SLS
1- LCR	
2- MICROFILM	✓
3- FILE	


39° 22' 30"
109° 07' 30"
662000m E.
980 000 FEET (COLO.)
580 000 FEET (COLO.)
4359000m N.
T. 16 S.
T. 17 S.
BOOK
CLIFFS
SAN ARROYO
Drill Hole
5580
Hancock State 2-8 Well
R/W New Construction
R/W Existing Access
PIPELINE
Gas Well
BARX GAS FIELD
Wash
To state line
Fence
Road
Bitter
Creek
2 Road
14
13
12
20'

LONE MOUNTAIN PRODUCTION COMPANY
P.O. BOX 3394
408 PETROLEUM BUILDING
BILLINGS, MONTANA 59103-3394
(406) 245-5077
FAX 248-6321

December 17, 1990

Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180

Attention: Ron Firth

Dear Ron:

The enclosed letter and several phone calls went unanswered. Burton Hancock has advised me that he received notice the State No. 2-8 bond was released.

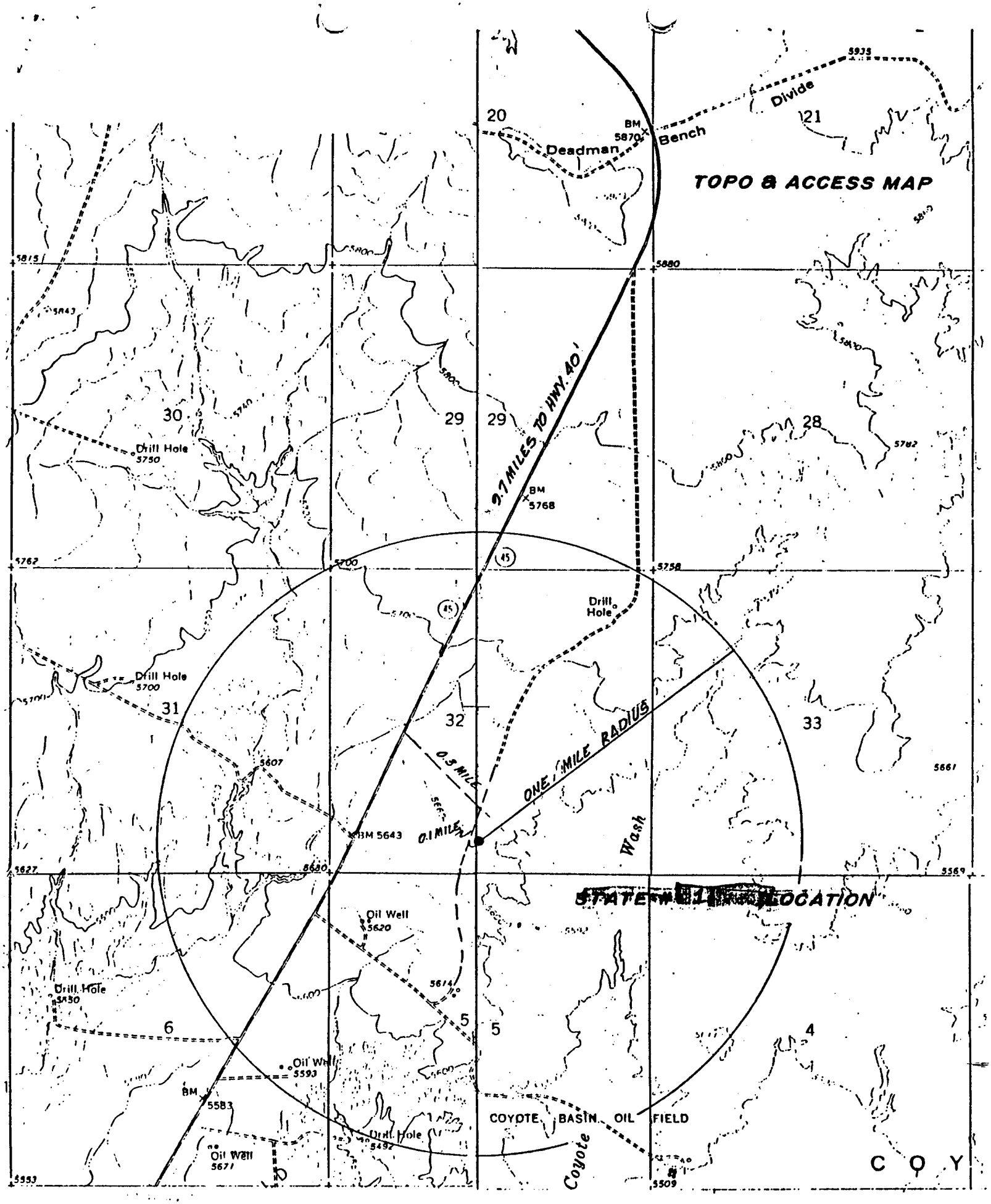
Please advise as to what I need to do to get the Coyote State No. 1 off our Utah State Bond.

Thank you in advance, your help in this matter is appreciated.

Very truly yours,

James G. Routson

JGR/jlw
Enclosure


TOPO & ACCESS MAP
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Drill Hole 5700
Drill Hole
Drill Hole 5430
Oil Well 5620
Oil Well 5593
Oil Well 5671
BM 5643
BM 5583
Drill Hole 5492
0.5 MILE
0.1 MILE
ONE MILE RADIUS
Wash
Coyote
COYOTE BASIN OIL FIELD
C O Y